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# SEQUENCE LISTING

<110> Schackert, Hans Konrad  
Hahn, Matthias

<120> Method for Identifying Organisms by Means of Comparative Genetic  
Analysis and Primers and Hybridisation Probes for Carrying Out  
This Method

<130> 012627-025

<140> US 09/936,738

<141> 2001-09-17

<150> PCT/EP00/02330

<151> 2000-03-16

<150> DE 199 11 656.3

<151> 1999-03-16

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<400> 53  
 caggaaacag ctatgac 17

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 gctgggtggcg gggctctgca ggatggaaat ggctctggac ttggcggtag ctgatgcccc 180  
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 ctgcaacatg attgtcatct tcacttagcc attggtcaag atcttcacaa aagggtctga 180  
 taagttctag ctgtgggtggg ttatggtctt caaaaggata ttgtgcaact gtggtaaaaa 240

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gataacctca gaataagaaa aaaaaactct tgaattttta attancaagt aggnnnnttt 300
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gggaatttac gctatacggg ctggtagcat aggtcacata ttagaggtag agctaaactc 540
aaaatgaact gtcacatgga catttcatca ggactctcaa tgcaaaagga ataa 594

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<210> 59  
 <211> 520  
 <212> DNA  
 <213> Deer

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gagcccgggc cagggagggt ncngcggcgg cggaggggag gtttaaaacc ggcccggggc 420
cctggatgtn ccgcgcgcgc cgcgcgc 447

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 <213> Red buffalo

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<223> n = A,T,C or G

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gagcccgggc cagggggggg ncngcggcgg cggaggggag gtttaaaacc ggcccgggtc 420
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<210> 63

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<223> PTENex1 R antisense

<400> 63

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aggtcaagtc taagtcgaat c 21

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<210> 64

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<212> DNA

<213> Man

<400> 64

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acttaga 67

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<210> 65

<211> 68

<212> DNA

<213> Chimpanzee

<400> 65

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gacttaga 68

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<210> 66

<211> 64

<212> DNA

<213> Pig

<400> 66

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taga 64

<210> 67

<211> 64

<212> DNA

<213> Wild boar

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taga 64

<210> 68

<211> 67

<212> DNA

<213> Cattle

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acttaga 67

<210> 69

<211> 67

<212> DNA

<213> Sheep

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<210> 70

<211> 67

<212> DNA

<213> Goat

<400> 70

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<210> 71

<211> 68

<212> DNA

<213> Red buffalo

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gacttaga 68

<210> 72

<211> 67

<212> DNA

<213> Deer

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 acttaga 67

<210> 73  
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 <212> DNA  
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 cttaga 66

<210> 74  
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 <212> DNA  
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 acttaga 67

<210> 75  
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 <212> DNA  
 <213> Horse

<400> 75  
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 gacttaga 68

<210> 76  
 <211> 58  
 <212> DNA  
 <213> Dog

<400> 76  
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<210> 77  
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 <212> DNA  
 <213> Sun bear

<400> 77  
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 cttagac 67

<210> 78  
 <211> 69  
 <212> DNA  
 <213> Rabbit

<400> 78  
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<210> 79  
 <211> 65  
 <212> DNA  
 <213> Hare

<400> 79  
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 actta 65

<210> 80  
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 <212> DNA  
 <213> Antelope

<400> 80  
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<210> 81  
 <211> 65  
 <212> DNA  
 <213> Kangaroo

<400> 81  
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<210> 82  
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<210> 83  
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 <212> DNA  
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<220>  
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<400> 83  
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<210> 84  
 <211> 69  
 <212> DNA  
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<400> 84  
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 tattgatga 69

<210> 85  
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 <212> DNA  
 <213> Chimpanzee

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 <222> (1)...(69)  
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 tgatgatgt 69

<210> 86  
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 <213> Domestic pig

<400> 86  
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 attgatgatg 70

<210> 87  
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 <212> DNA  
 <213> Wild boar

<400> 87  
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<210> 88  
 <211> 63  
 <212> DNA  
 <213> Cattle

<400> 88  
 cattattgct atgggctttc ctgcagaaag acttgaagggt gtatacagga acaatattga 60  
 tga 63

<210> 89  
 <211> 62  
 <212> DNA  
 <213> Sheep

<400> 89  
 ttattgctat ggggtttcct gcagaaagac ttgaaggcgt gtacaggaac aatattgatg 60  
 at 62

<210> 90  
 <211> 58  
 <212> DNA  
 <213> Goat

<400> 90

ttattgctat ggggtttcct gcagaaagac ttgaaggcgt gtacaggaac aatattga 58

<210> 91  
 <211> 64  
 <212> DNA  
 <213> Red buffalo

<220>  
 <221> misc\_feature  
 <222> (1)...(64)  
 <223> n = A,T,C or G

<400> 91  
 cattattgct atgggggtttc ctgcagaaag acttgaaggc gtatnnagga acaatattga 60  
 tgat 64

<210> 92  
 <211> 68  
 <212> DNA  
 <213> Deer

<400> 92  
 tttatccaaa cattattgct atgggggtttc ctgcagaaag acttgaaggc gtatacagga 60  
 acaatatt 68

<210> 93  
 <211> 58  
 <212> DNA  
 <213> Roe deer

<220>  
 <221> misc\_feature  
 <222> (1)...(58)  
 <223> n = A,T,C or G

<400> 93  
 ttattgctat ggggtttcct gcagaaagac ttgaaggcgt atannggaac aatattga 58

<210> 94  
 <211> 65  
 <212> DNA  
 <213> Goitred gazelle

<400> 94  
 ccaaacatta ttgctatggg gtttcctgca gaaagacttg aaggcgtata caggaacaat 60  
 attga 65

<210> 95  
 <211> 64  
 <212> DNA  
 <213> Horse

<400> 95  
 attattgcta tgggggtttcc tgcagaaaga cttgaaggcg tatacaggaa caatattgat 60  
 gatg 64

<210> 96  
 <211> 67  
 <212> DNA  
 <213> Dog

<220>  
 <221> misc\_feature  
 <222> (1)...(67)  
 <223> n = A,T,C or G

<400> 96  
 ttccaaacat tattgctatn gggtttctctg cagaaagact tgaaggcgta tacnggaaca 60  
 atattga 67

<210> 97  
 <211> 65  
 <212> DNA  
 <213> Sun bear

<220>  
 <221> misc\_feature  
 <222> (1)...(65)  
 <223> n = A,T,C or G

<400> 97  
 tccaaacatt attgctatng ggtttcctgc agaaagactt gaaggcgat acaggaacaa 60  
 tattg 65

<210> 98  
 <211> 62  
 <212> DNA  
 <213> Rabbit

<400> 98  
 gctatgggat ttcctgcaga aagacttgaa ggcgtataca ggaacaatat tgatgatgta 60  
 gt 62

<210> 99  
 <211> 59  
 <212> DNA  
 <213> Hare

<400> 99  
 acattattgc tatgggattt cctgcagaaa gacttgaagg cgtatacagg aacaatatt 59

<210> 100  
 <211> 48  
 <212> DNA  
 <213> Antelope

<400> 100  
 ttgctatggg gtttctctgca gaaagacttg aaggcgata caggaaca 48

<210> 101  
 <211> 77  
 <212> DNA

<213> Turkey

<400> 101

tttatccaaa cattattgct atggggttttc ctgcggagag gcttgaagga gtataccgga 60  
acaatattga tgatgta 77

<210> 102

<211> 73

<212> DNA

<213> Chicken

<400> 102

atttatccaa acattattgc tatggggtttt cctgcggaga ggcttgaagg agtataccgg 60  
aacaatattg atg 73

<210> 103

<211> 61

<212> DNA

<213> Duck

<400> 103

ttattgctat ggggttttcct gcagagaggc ttgaaggagt gtaccggaac aatattgatg 60  
a 61

<210> 104

<211> 62

<212> DNA

<213> Quail

<400> 104

cattattgct atggggttttc ctgcggagag gcttgaagga gtataccgga acaatattga 60  
tg 62

<210> 105

<211> 73

<212> DNA

<213> Goose

<400> 105

tttatccaaa cattattgct atggggttttc ctgcagagag gcttgaagga gtgtaccgga 60  
acaatattga tga 73

<210> 106

<211> 66

<212> DNA

<213> Ostrich

<400> 106

ccaaacatta ttgctatggg ttttccggcg gagaggcttg aaggagtgtg ccggaacaat 60  
attgat 66

<210> 107

<211> 59

<212> DNA

<213> Pigeon

<400> 107  
cattattgct atgggttttc ctgctggagag gcttgaagga gtataccgga acaatattg 59

<210> 108  
<211> 60  
<212> DNA  
<213> Varan

<400> 108  
cattattgct atgggttttc ctgctggagag gcttgaagga gtataccgga acaatattga 60

<210> 109  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Zoo43sUV

<400> 109  
tgtgtctgaga gacattatga c 21

<210> 110  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Zoo44aRV

<400> 110  
ttgtctctgg tccttacttc 20

<210> 111  
<211> 654  
<212> DNA  
<213> Man

<400> 111  
ttatgacacc gccaaattta attgcagagt atgaatgtac tgtactatgt tgtataactt 60  
aaaccgcgata gactgtatct tactgtcata acaataatga gtcacccaga ttatcgagtg 120  
agatacatat ttaagaatta tctttaaaaa ttccaataat ttaatttta ctgttgtgtt 180  
ttaggaaaaa gtattgcata aagctattaa tattgtcagg aagactaaag tgcagcatag 240  
actaagaatt aggaaaattc cttagactaaa aatagtataa ggagagggtt tacctactat 300  
ttgaggcagt tgggtctaata gtaagcaatc acaggagagaa agcagaacta cttaactctt 360  
ctgtgtttgag gaatgacata aaaggtagga aaggatataa caaatgttga taagaggagt 420  
ctgatggatg agaggaggga actgctttta atgagtttct acttcagaca taagttaatt 480  
ctcagagccc acaaaaactt tcacttttat ttgtgaaata caactcagtt ctcattggctt 540  
aacactttta accatgagaa aactgaagag ttgagagctt ggcagatgct gctgtgatag 600  
tcaaaagaaa gtgggtgcat gagctactat tgatgtatct gccatgggtc ctcc 654

<210> 112  
<211> 582  
<212> DNA  
<213> Dog

```

<400> 112
atgtaataaaa tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat 60
tgctgcaaca tgattgtcat cttcacttag ccattgggtca agatcttcac aaaagggttt 120
gataagttct agctgtggtg gattatgggc ttcaaaagga tactgtgcaa ctgtggtaaa 180
aagataacct cagaattaga aaaaagtctt tcctgaactg tttattaaaa gtaggttaac 240
tttagaaaca ttgcatgtaa gcttaacaga tgtttaaaag aaaaacggaa ctccagagaa 300
aaataatttg ctgtctgata attttccaat ttttgaatag aaaatagtct ctcatthaatt 360
cttaaaccta ccaactadgag agagaggcta agcattattt tccccactt taatgaaaga 420
ggaaactttg caatggagag ggagcacacg tcaacatata agaggggaaga ggcaaactca 480
aatgaaatg gcacacaggc ttctgtcag ggctctcaat gcattttctg acaaaaaggag 540
tcataatatt tataatacta cgtcatccaa aatatatatt cc 582

```

```

<210> 113
<211> 376
<212> DNA
<213> Cattle

```

```

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

```

```

<400> 113
taggtacaca tattgtgtta gataacttga agccaacagt ctaaatttta ctgtcatacc 60
aataatgaat aatctcaagt attaagtgat atatttatct taaagatggg ctgagaaaat 120
ttgaaattaa ttttgctggt gtgttttttg aaataagtat catgtaaatg aggaagacta 180
aattgaatta actgaaaact aggagaaatt tatagactaa cagaataaat agagggttat 240
atctgtgatt tgaggcattt ggcatgatag taagagatta caggggagaa aggagaatgg 300
cttaattctg taatggaaca tgacctgtac agtgggaaaa ggggtataat gaantatgga 360
tnaaaaggag cctgaa 376

```

```

<210> 114
<211> 673
<212> DNA
<213> Mouse

```

```

<400> 114
ttatgacacc gccaaattta actgcagagg tatgtataaa cataaccaca gcatactgta 60
taactaaaga ccaatagact tgtctttttac tgcctgggtga taattatcaa gattagttag 120
ataaaaatct taagaatggc ctttgacaat taaaaaaagt gtatttaatg ttagagttgt 180
tctttaagac ctatctattg tcaggaaaac taaatcacag aatacttga gaggtccaa 240
gactaaacta ggattggagg tgcttattga cgggtgtggga cagctagcgc tgctggaaac 300
aatcacaaga agagagcaga accattttta cttttctaca tcgaagaatg gcataaagtt 360
aggaaaagat gtagcatcgg tctgtctgtc tgtctgtctg cctgtctgtc ttctcagaat 420
catgaagcac taaggagtaa gtaagaacag tttctggggg accgacagac ctaggctact 480
gctcattagg aaacatgcca tggttgaagg tcacttagct ttaaattgtac attttaacag 540
actcttgaat gttcttgtgt gccactggg gaaatgagg cgaggacaca gtttagacaga 600
tggttaaagta aaagctggcc tgcagcctct tggatgaatgt agtttgccat tgtttaccac 660
agagctttcc tgt 673

```

```

<210> 115
<211> 411
<212> DNA
<213> Horse

```

```

<400> 115

```

```

aatgtacagt attttgttat ataactgaaa accagtagac taagtcttac tgtcacagca 60
gtaatgaata ctcttgatta ttaagtgaga taaatattta tcttaaaaag ataatcttag 120
aaaatttgaa aaataaattt aactttgctg ttgtatttta gaaaacaagt atcatataaa 180
ccaactggta gtattaggaa gactaaattg aagaatagac taagaattag gatgtaatag 240
taagagattg catggagaaa gcagaacgac ttaactctgg caaggagcgt gacctaaaag 300
gtggaaaagg gtataacaga tgtggatata aggagcctga acagatgaga gcagggaact 360
gcttcaaatg agttcttttc caagtatagt aaattgtttc tcagagcca c 411

```

<210> 116  
 <211> 566  
 <212> DNA  
 <213> Sheep

<220>  
 <221> misc\_feature  
 <222> (1)...(566)  
 <223> n = A,T,C or G

```

<400> 116
aaaaatttgc nnnngatgta acaaatatgc acaaatcatt acaccagttc gtccctttcc 60
agcttttacag tgaattgctg caacatgatt gtcattcttca cttagccatt ggtcaagatc 120
ttcacaaaag ggtttgataa gttctaactg ttgggtgatt atgggtcttca aagggatact 180
gtgcaactgt gataaaaaga taaccgcaga tatatgaaaa taatctcact tgaattgctt 240
attacaagta ggctaacttt agaaatgttg catacaaaata gtttaaaaaat gtctgaacta 300
tagaggaaaa gaattttattg tctgataatt ttctaatttt cgaacagaaa ataatctctc 360
attaactcaa atttatccat tcgacaggta agacaagtat tatttcctca ctctatgatg 420
gaggcaatgg aggagcaaca ttcagaggt cacaacataa cggaggaaga ggcaaactca 480
gaatgaaacg tcgcacgagc ctcttagcag ggctctcaat acgttcctag caaaagggac 540
tggtaacatc tataatatcg cattat 566

```

<210> 117  
 <211> 497  
 <212> DNA  
 <213> Turkey

```

<400> 117
aagctgcatt ttgccagggtg taaggaaactg acagagacaa ccaagaccaa agcatttcag 60
gctgaattcc cctcktttct cccacctcct ctgaacaaat ggaggttctg acagagtggg 120
gagattaatt cagaatatgt gtgcacagta cacctggcag accccacaaa gcttgggtca 180
aagaacaaaag atgaaacaaa ggcatgaata gagcagtaga aggatttaca aaaggacaaa 240
agatgggcag ccattttaaag gtgacagtaa tttcttaagt aaatgtcaaa actcttcaaa 300
gaagcaaggg ggataatatt catgaatact taaggctgaa acgtgaacat gttgatttgc 360
catttggaag gttatgtttc cttcttatct cctctctgat agcttcaata atgggcacta 420
aaattcggtc ctgaaaaaat gcaaagaaat cactcagtggt ctgaggacgt gttgatttca 480
catgtattga aatcagt 497

```

<210> 118  
 <211> 365  
 <212> DNA  
 <213> Trout

<220>  
 <221> misc\_feature  
 <222> (1)...(365)  
 <223> n = A,T,C or G



```

<400> 118
cattatgaacn nnnnnnnnatt caattgcaga ggattagata ttacatcaga gtgaaaccat 60
tactactgtc tttcaggcag tcagtgaatg aatcaatctt tcactaaaaa cccacgtgtg 120
acgctaacta actgagcccg gtctctgtct gtctctctcc agttgcacaa tatccgtttg 180
aggatcaciaa tccgccccag ctggagctga tcaaaccgtt ctgcgaagat cttggccttt 240
ggttaagtga agacgacaat catgtggcgg cgattcactk taaarctgga aaggacgtac 300
gggtgtcatg atctgtgctt acctgttaca ccggggcaag ttcctcaaag cacaagaagc 360
tctcg 365

```

```

<210> 119
<211> 656
<212> DNA
<213> Roe deer

```

```

<400> 119
gtataggtac acttactatg ttagataact tgaggccaac agtctaaatt ttactatcat 60
accagtaatg aataatctca agtattaagt gatacagtca tcttaaagat gatcttagaa 120
aatttgaaat taattttgct gttgtgtttt tggaaacaag tgtcatgtaa atgagggaga 180
ctaaactgaa ttaactgaaa actaggagaa atttatagac tgacagaata aagaaagggg 240
tatactctgtg atttgaggca tttggcgtaa tagtaagaga ttacagggag aaaggagaat 300
gattttaattc tataatggaa catgacctgc acagtggaaa aagggataaa tgaaatataa 360
awaaaaggag cctgatagat gagagcaaga actgctttta gtgaattttt ctccaggtat 420
agtatatttt atctcagagt ccacaaatac tttcatttgt ttttgtggaa ctcttagaac 480
gacgagagac caggaacatt gagaagctaa tatatttgcc attgttcctt cctaaatatt 540
tagcacaggc tttcaaacag ttggtttaag aattcagaag tgctaataac tgagagcaag 600
ggtagattta ttactaagaa tgtttcattt ttggtggatt ttgctatttc tgggtca 656

```

```

<210> 120
<211> 405
<212> DNA
<213> Deer

```

```

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

```

```

<400> 120
gtataggtac acttttnnaag ccaacagtct aaatttttact gtcataccaa taatgaataa 60
tctcaagtat taagtgatat atttatctta aagatgatct tagaaaattt gaaactaatt 120
ttgctgttgt gtttttgga acaagtgtca tgtaaagtga ggagaccata actgaattaa 180
ctgaaaactg ggaaaaattt atagactaac agaataaaga aagggttata tctgtgggtt 240
gaggcgtttg acgtaatagt aagagattac agggagaaaag gagaatgact taattctata 300
atggaacacg acctgcacag tggaaaaagg gtataatkaa atgtagataa aggagcctga 360
tagttgagag caagaactgc ttttaagtga tttttctcca ggtgt 405

```

```

<210> 121
<211> 522
<212> DNA
<213> Chimpanzee

```

```

<220>
<221> misc_feature
<222> (1)...(522)
<223> n = A,T,C or G

```

```

<400> 121
cattatgaacn nnnnnnnnnn nnattgcaga ggtaggtatg aatgtactgt actatgttgt 60
ataacttaaa cccgatagac tgtatcttac tgtcataaca ataatgagtc atctagatta 120
tcgagtgaga tacatatatta tcttaagaat tatctttaaa aatttcacaaa attttaattt 180
tactcttgtg ttttaggaaa aaagtattgc ataaagctat taatattgtc aggaagacta 240
aagtgcagca tagactaaga atgaggaaaa ttcctagact nnaatagtat aaggagagg 300
tttacctact atttgaggca gttggtctaa tagtaagcaa tcacagggag aaagcagaac 360
tacttaactc ttctgtgttg aggaatgaca taaaaggtag gaaggatata acaaattgtg 420
ataagaggag tctgatggat gagaggagg aactgcttta aatgagttct acttcagaca 480
tadgttaatt ctcagagccc acaaaacttt cacttttatt tg 522

```

```

<210> 122
<211> 666
<212> DNA
<213> Gorilla

```

```

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

```

```

<400> 122
cattatgaacn nnnnnnnnatt taattgcaga ggtaggtatg aatgtdctgt actatgttgt 60
ataacttaaa cccgatagac tgtatcttac tgtcataaca ataatgagtc atctagatta 120
tcgagtgaga tacatatatta tcttaagaat tatctttaaa aatttcacaaa attttaattt 180
tactcttgtg ttttaggaaa aaagtattgc ataaagctat taatattgtc aggaagacta 240
aagtgcagca tagactaaga atgaggaaaa ttcctagact nnaatagta taaggagagg 300
gtttacctac tatttgaggc agttggtcta atagtaagca atcacagga gaaagcagaa 360
ctacttaact cttctgtgtt gaggaatgac ataaaaggta ggraaggata taacaaatgt 420
tgataagagg rgtctgatgg atgagaggag ggaactgctt taaatgagtt ctacttcaga 480
cataagttaa ttctcagagc ccacaaaaac tttcactttt atttgtgaaa tgcaactcag 540
ttctcatggc ttaacacttt aamccatgag agactgaaga gttgagaagc ttggcagatg 600
ctgctgtgat agtcaaaaag aaagtgggtg ccatgagcta ctattgatgt atttgccatt 660
gatccc 666

```

```

<210> 123
<211> 741
<212> DNA
<213> Orang-utan

```

```

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

```

```

<400> 123
cattatgaacn nnnnnnaaatt taattgcaga ggtaggtacg aatgtactgt gctatgttgt 60
ataacttaaa cacaatagac tgtatcttac tgtcataaca ataatgactc atctagatta 120
ttgagtgaga tacatatatta tcttaagawt tatcttaaaa aatttcagaa aattttaattt 180
tactgttgtg ttttaggaaa aacgtattgc ataaagctat taatattgtc aggaaaagtg 240
cagagtagac taagaattag gaaaattcct agactaaaan nnnataagga gaggggtttac 300
ctactgtttg aggcagtttg tctaatagta agcgattata gggagaaagc agaactactt 360
aactcttctg tgttgaggaa tgacatgaaa ggtaggaaag gatataacaa atgttgataa 420
gaggagcctg atggatgaga ggagggaact gctttaaatg agttctactt cagacataag 480
ttaattctca gagccacaa aaactttcac tttcatttgt gaaatacaac tcagttctca 540
cggcttaaca ctttaaacca tgagagaact gaagagttga gaagcttggc agatgcttct 600

```

```

gtgatagtca aaaagaaagt ggggtgcatg agctactatt gatgtatttg ccattgatcc 660
cycctgaaaa tctagaatgg actttcagac aaatgggttg aaaatcctaa atcactaatg 720
attgggattt agtatagatt c                                     741

```

```

<210> 124
<211> 608
<212> DNA
<213> Orang-utan

```

```

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

```

```

<400> 124
cattatgaacn nnnncaaatt taattgcaga ggtaggtacg aatgtactgt gctatgttgt 60
ataacttaaa cacaatagac tgtatcttac tgcataaca ataatgactc atctagatta 120
ttgagtgaga tacatattta tcttaagaat tatcttataa datttcagaa aatttaattt 180
tactgttgtg ttttaggaaa aacgtattgc ataaagctat taatattgtc aggaaaagtg 240
cagagtagac taagaattag gaaaattcct agactaaaat nnnataagga gaggggtttac 300
ctactgtttg aggcagttgg tctaatagta agcgattata gggagaaagc agaactactt 360
aactcttctg tgttgaggaa tgacatgaaa ggtaggaaag gatataacaa atgctgataa 420
gaggagcctg atggatgaga ggagggaact gctttaaatg agttctactt cagacataag 480
ttaattctca gagccacaaa aactttcact ttcatttgtg aaatacaact cagttctcac 540
ggcttaacac ttttaacccat ggagagacct gaagagttgg agaagccttg cagatgcttc 600
tgtgatag                                         608

```

```

<210> 125
<211> 402
<212> DNA
<213> Banting cattle

```

```

<400> 125
gagagacatt atgacaccgc caaatttaat tgcagaggta agtataggta cacatattat 60
gttagataac ttgaagccaa cagtctaaat tttactgtca taccaataat gaataatctc 120
aagtattaag tgatatattt atcttaaaaga tggctcgaga aaatttgaaa ttaattttgc 180
tgttgtgttt ttggaaataa gtatcatgta aatgagggaag actaaattga attaactgaa 240
aactagagaga aatttataga ctaacagaat aaatagaggg ttatatctgt gatttgaggc 300
atttggcatg atagtaagag attacaggga gaaaggagaa tggcttaatt ctgtaatgga 360
acatgacctg tacagtggaa aagggtataa tgaaatatgg at                                     402

```

```

<210> 126
<211> 479
<212> DNA
<213> Indian elephant

```

```

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

```

```

<400> 126
gacattatga cnnnnnnnnn nnnnnntgca gaggtaggta taaatgtttt atagtatgtt 60
gtataactta aaaccaaag tctaaatatt actgccatag caatagtga tttcttagat 120
tattaagtaa gataaatatt tatcttaagg atggctctta aaatttgagg gaaataaatt 180
taattttaat attatgtttt agaacaagta tcccataacc ctatgagtaa tgcgtgaag 240

```

```

acaaaaataa agaatagggt aagaattagg agaaattcct aggataagaa taaaataagg 300
aagggggggca tgcctagtgt ttgaggcagt tgggtgtaata ctaagagatt atatggagaa 360
agcaggacta ctcaattcct ctctatcaaa gagaataacc taaaggggtg aaaagagtat 420
aacaaatgtg gataagagga gcttgagaac gagagtgggg agatgcttta aatgagctc 479

```

```

<210> 127
<211> 284
<212> DNA
<213> Fishing cat

```

```

<400> 127
gagagacatt atgacaccgc caaattttaac tgcagaggta ggtattaht gcagagtaat 60
gtattatggt atataactyc aaaccagtag actaaatcct actgtcatag cagtgatgaa 120
taatctcatt attaagttag ataaatattt atcttcaaga tggctctaaa aaatttgcaa 180
aacaaattta attttgctgt tgtgttttgg gaagcaagta tcctataaac ctgccggtac 240
taactagtag gaagactaat cccagagtag actaagaatt tgga 284

```

```

<210> 128
<211> 290
<212> DNA
<213> Sun bear

```

```

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

```

```

<400> 128
gagagacatt atgaacnnnnn nnnnnnnaac tgcagaggta ggtaaaaact gccaaagtaat 60
gtatttatgt tgtataactt aaaaccagta gaccaaactt tactatcata gcagtaatga 120
ataatctcaa ttaattaagt ggaagtaaatt tatttatcct aaagatgggc ttagacactt 180
tggaacta atttaatatt gctgttgtgt tttaggaagc agttatcata taaacctgcc 240
agtactagta cgaataactaa aacgcagagt agactctaaa attgaggaaa 290

```

```

<210> 129
<211> 272
<212> DNA
<213> Dwarf goat

```

```

<400> 129
gagagacatt atgacaccgc caaattttaat tgcagaggta agtacaggta cacatattat 60
gttaggtaac ttgaagccaa cagtctaaat tttactgtca taccaataat gaataatcac 120
aagtattaag taatatattt atgttaaaga tggcctgaga aaatgtgaaa ttaactttgc 180
tgttgtgttt ttggaaataa gtatcatgta aatgaggatg actaaattga attaactgaa 240
aactaggaga agtttataga ctaacagaat ag 272

```

```

<210> 130
<211> 327
<212> DNA
<213> Guinea pig

```

```

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

```

<400> 130  
gagagacatt atgaacnnnnn nnnattttaat tgcagaggta tgtataaata taccatgggtc 60  
tgggggtatga ttgaaaacca ataggctgtg ttttattatc agcaataatg gatcatttaa 120  
attattagaa aagataaata tttttcttta attatagtct gagataattt gaaaatacta 180  
atTTTTTgggt tgagcttttag aaatcatgtg tcaggtaaat ctgtcaatgt tgtccggaaa 240  
actcgagtac atagtagact taagaattag gataaattac taaactgata atggaataaa 300  
gaggatattt acctgctgct tgaaaca 327

<210> 131  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Zoo43sUV

<400> 131  
tgtgctgaga gacattatga c 21

<210> 132  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Zoo44aRV

<400> 132  
ttgtctctgg tccttactt 19

<210> 133  
<211> 281  
<212> DNA  
<213> Man

<400> 133  
ttgtctctgg tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg 60  
ccccgatgta ataaatatgc ataaatcatt ataccagttc gtccctttcc agctttacag 120  
tgaattgctg caacatgatt gtcattcttca cttagccatt ggtcaagatc ttcacaaaag 180  
ggtttgataa gttctagctg tgggtgggtta tggcttctca aaggatattg cgcaactctg 240  
taattagatt tggcgggtgc ataattgtctc tcagcacaac t 281

<210> 134  
<211> 271  
<212> DNA  
<213> Chimpanzee

<400> 134  
ggtccttact tccccataga aatgtagggc ctcttgtgcc tttaaaaatt tgccccgatg 60  
taataaatat gcataaatca ttataccagt tcgtcccttt ccagctttac agtgaattgc 120  
tgcaacatga ttgtcatctt cacttagcca tcgggtcaaga tcttcacaaa agggtttgat 180  
aagttctagc tgtggtgggt tatggtcttc aaaaggatat tgcgcaactc tgtaattaga 240  
tttggcgggtg tcataatgtc tctcagcaca a 271

<210> 135  
<211> 271

<212> DNA  
 <213> Oran-utan

<220>  
 <221> misc\_feature  
 <222> (1)...(271)  
 <223> n = A,T,C or G

<400> 135  
 tgggtccttac ttcccatag aaatctagg cctcttgtgc ctttaaaaaat ttgccccgat 60  
 gtaataaata tgcacaaatc attacaccag ttctgtccctt tccagcttta cagtgaattg 120  
 ctgcaacatg attgtcatct tcacttagcc attgggtcaag atcttcacaa aagggtttga 180  
 taagttctag ctgtgggtggg ttatgggtctt caaaaggata ttgtgcaact nnnnnnnnnn 240  
 nnnnnnnnnn gtcataatgt ctctcagcac a 271

<210> 136  
 <211> 268  
 <212> DNA  
 <213> Gorilla

<400> 136  
 ctgggtcctta cttccccaga gaaatctagg gcctcttgtg cttttaaaaaa tttgccccga 60  
 tgtaataaat atgcataaat cattatacca gttcgtccctt ttccagcttt acagtgaatt 120  
 gctgcaacat gattgtcatc ttcaacttagc cattgggtcaa gatcttcaca aaagggtttg 180  
 ataagttcta gctgtgggtgg gttatgggtct tcaaaaggat attgtgcaac tctgcaatta 240  
 aatttggcgg tgtcataatg tctctcag 268

<210> 137  
 <211> 306  
 <212> DNA  
 <213> Domestic pig

<400> 137  
 tctctgggtcc ttacttcccc atagaaatct tgtgccttta aaaatttgcc cggatgaaac 60  
 aaatatgcac aaatcattac accagttcat ccttttccag gtttacagtg aattgctgca 120  
 acatgattgt catcttcaact tagccattgg tcaagatctt cacaaaaagg tttgataaat 180  
 tctagctgtg gtggattatg atcttcaaaa ggatactgtg caactctgca gttaaatgtg 240  
 gcggtgtcat aatgtctctc agcacaactc tgcaattaaa tttggcgggtg tcataatgtc 300  
 tctcag 306

<210> 138  
 <211> 258  
 <212> DNA  
 <213> Wild boar

<400> 138  
 tctctgggtcc ttacttcccc atagaaatct tgtgccttta aaaatttgcc cggatgaaac 60  
 aaatatgcac aaatcattac accagttcat ccttttccag gtttacagtg aattgctgca 120  
 acatgattgt catcttcaact tagccattgg tcaagatctt cacaaaaagg tttgataaat 180  
 tctagctgtg gtggattatg atcttcaaaa ggatactgtg caactctgca gttaaatgtg 240  
 gcggtgtcat aatgtctc 258

<210> 139  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

```

<220>
<223> SPL5 sense

<400> 139
aaattttaatt gcagaggt 18

<210> 140
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Zoo44aRV antisense

<400> 140
ttgtctctgg tccttacttc 20

<210> 141
<211> 712
<212> DNA
<213> Man

<400> 141
ttgtctctgg tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg 60
ccccgatgta ataaatatgc acatatcatt acaccagttc gtccctttcc agcttttacag 120
tgaattgctg caacatgatt gtcattctca cttagccatt ggtcaagatc ttcacaaaag 180
ggtttgataa gttctagctg tgggtgggta tggctctcaa aaggatattg tgcaactgtg 240
gtaaaaagat aacctcagaa taagaaaaaa aaactcctga atttttaatt aacaagtagg 300
taacttttaga aatgttgcat acaaacttaa caggtattta aaagaaacac tggattccag 360
agaaaaataa tgtattgctt aacttttctaa ttgttaaata gaaaatagtc tcttgataag 420
tcttaaatat aatcattaag gaagccaggt attattttcc cccattttat tcaggaggat 480
atattctggg aattttacgt atacggactg gtagcatagg tcacatatta gaggtagagc 540
taaaccctaaa atgaactgtc acatggacat ttcgtcagga ctctcaatgc aaaaggaata 600
atactatttta tagtatttat ttcattcatc caaacatat tccaaagaca gaatagttta 660
ctaataggta aactatgcaa agaactacat attacatttc ataaaaataa aa 712

<210> 142
<211> 593
<212> DNA
<213> Chimpanzee

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 142
tggctccttac ttccccatag aaatctaggg cctcttgtgc ctttaaaaaat ttgccccgat 60
gtaataaata tgcacaaatc attacaccag ttcgtccctt tccagcttta cagtgaattg 120
ctgcaacatg attgtcatct tcacttagcc attgggtcaag atcttcacaa aagggttga 180
taagttctag ctgtgggtggg ttatgggtctt caaaaggata ttgtgcaact gtggtaaaaa 240
gataacctca gaataagaaa aaaaaactct tgaattttta attancaagt aggnnnnttt 300
agaatgttgc atacaaactt aacagggtatt taaaagaaac actggattcc agagaaaaat 360
aatgtattgc ttaactttct aattgtttaa tagaaaatag tctcttgata agtcttaaat 420
ataatcatta aggaagccag gtattattct cccccatttt attcaggagg atatattctg 480
ggaatttacg ctatacggac tggtagcata ggtcacatat tagaggtaga gctaaactca 540

```

aaatgaactg tcacatggac atttcatcag gactctcaat gcaaaaggaa taa 593

<210> 143  
 <211> 589  
 <212> DNA  
 <213> Chimpanzee

<220>  
 <221> misc\_feature  
 <222> (1)...(589)  
 <223> n = A,T,C or G

<400> 143  
 ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60  
 taaatatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120  
 aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180  
 ttctagctgt ggtgggttat ggtcttcaaa aggatattgt gcaactgtgg taaaaagata 240  
 acctcagaat aagaaaaaaa aactcttgaa tttttaatta acaagtaggn nntttagaaa 300  
 tgttgcatac aaacttaaca ggtattttaa agaaacactg gattccagag aaaaataatg 360  
 tattgcttaa ctttctaatt gttaaataga aaatagtctc ttgataagtc ttaaataata 420  
 tcattaaggg agccagggtat tattctcccc cattttattc aggaggatat attctgggaa 480  
 tttagcgtat acggactggt agcataggtc acatattaga ggtagagcta aactcaaaat 540  
 gaactgtcac atggacattt catcaggact ctcatgcaaa aggaataat 589

<210> 144  
 <211> 593  
 <212> DNA  
 <213> Orang-utan

<400> 144  
 acttccccat agaaatctag ggectcttgt gcctttaaaa atttgccccg atgtaataaa 60  
 tatgcacaaa tcattacacc agttcgtccc ttccagctt tacagtgaat tgctgcaaca 120  
 tgattgtcat cttcacttag ccattgggtca agatcttcac aaaagggttt gataagttct 180  
 agctgtggtg ggttatggtc ttcaaaagga tattgtgcaa ctgtggtaaa aagataacct 240  
 cagaataaga aaaaaaaact cctgaatttt tcattaacaa gtaggtaact ttagaaatgt 300  
 tgcatacaaa cttaacagggt atttaaaaga aacactggat tccaaagaaa aataatgtat 360  
 tgcttaactt tctaattggt aaatagaaaa tagtctcttg ataagtctta aatataatca 420  
 ttaaggaagc caggtattat ttcccccat ttatttcagg aggatataat ctggggattt 480  
 aactatacag gactggtagc ataggtcaca tattagagggt agagctaaac ccaaaatgaa 540  
 atgtcacatg gacatttctg caggactgtc aatgcaaaag gaataatact att 593

<210> 145  
 <211> 724  
 <212> DNA  
 <213> Orang-utan

<400> 145  
 tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg ccccgatgta 60  
 ataaatatgc acaaatcatt acaccagttc gtccctttcc agctttacag tgaattgctg 120  
 caacatgatt gtcatttcca cttagccatt ggtcaagatc ttcacaaaag ggtttgataa 180  
 gttctagctg tgggtgggtta tgggtcttcaa aaggatattg tgcaactgtg gtaaaaagat 240  
 aacctcagaa taagaaaaaa aaactcctga atttttcatt aacaagtagg taactttaga 300  
 aatgttgcac acaaaacttaa cagggtattta aaagaaacac tggattccaa agaaaaataa 360  
 tgtattgctt aactttctaa ttgttaaata gaaaatagtc tcttgataag tcttaaatat 420  
 aatcattaag gaagccagggt attattttcc cccattttat tcaggaggat atattctggg 480  
 aatttacact atacggactg gtagcatagg tcacatatta gaggtagagc taaacccaaa 540



```

atgaaatgtc acaggacatt tcgtcaggac tgtcaatgca aaaggaataa tactatttat 600
agtattatac atcatcacaa acatattcca aagacagaac agattactaa taggataaac 660
tatggaagac tatatattac atttcataaa ataaaaagct aagtgtgtta tttaaagggg 720
gtct 724

```

<210> 146  
 <211> 831  
 <212> DNA  
 <213> Gorilla

```

<400> 146
gtccttactt ccccatagaa atctagggcc tcttgtgcct ttaaaaattt gccccgatgt 60
aataaatatg cacaaatcat tacaccagtt cgtccctttc cagctttaca gtgaattgct 120
gcaacatgat tgtcatcttc acttagccat tgggtcaagat cttcacaaaa gggtttgata 180
agttctagct gtgggtgggt atgggtcttca aaaggatatt gtgcaactgt ggtaaaaaga 240
taacctcaga ataagaaaaa aaactcctga atttttaatt aacaagtagg taactttaga 300
aatgctgcat acaaaacttaa cagggtattta aaagaaacac tggattccag agaaaaataa 360
tgtattgctt aactttctaa ttgttaaata cccattttat tcaggaggat atattctggg 420
aatcatthaag gaagccagggt attattttcc cccattttat tcaggaggat atattctggg 480
aatttacgct atatggactg gtagcatagg tcacatatta gaggtagagc taaacccaaa 540
acgaactgtc acatggacat ttcgtcagga ctctcaatgc aaaaggaata atactattta 600
tagtatttat wtcacatca caaaacatat tccaaagaca gaatagatta ctaataggat 660
aaactatgca aagaactaca tattacattt cataaaataa aaatgctaag tgtgttattt 720
aaaggtggtc ttgcaaatgt tagtgttgta tacacatgta atcattaggg aagccaagta 780
ttattttcct ccgttttctg caggagaata cattctggga atctatgctc a 831

```

<210> 147  
 <211> 556  
 <212> DNA  
 <213> Domestic pig

```

<400> 147
tctctgggtc ttacttcccc atagaaatct agggcctctt gtgcctttta aaatttacc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc ctttccagc ttacagtga 120
attgctgcaa catgattgtc atcttcactt agccattggt caagatcttc acaaaaagg 180
ttgataagtt ctagctgtgg tggattatgg tcttcgaaag gatactgtgc aactgtggaa 240
aaagataacc tcagaataaa aaaatctctc ctgagttgct aattaaaagt aggttaact 300
ttgaaatctt gcatataaat tcaatagaga ttttaaataa aaactgaact ccagggaata 360
attgtctgat aattttcaaa tagaaaatag aaaataatct cctgttaact caaatttccc 420
cattagatag ggaggccaag tatcattttc cccactttat gaaggaggaa actttgcaat 480
agagtagcaa tgtatcagag gtcacaacgt atcagaaatg gaggtaaact caaaatgaaa 540
tgtcacatga gccctt 556

```

<210> 148  
 <211> 752  
 <212> DNA  
 <213> Wild boar

```

<400> 148
tctctgggtc ttacttcccc atagaaatct agggcctctt gtgcctttta aaatttacc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc ctttccagc ttacagtga 120
attgctgcaa catgattgtc atcttcactt agccattggt caagatcttc acaaaaagg 180
ttgataagtt ctagctgtgg tggattatgg tcttcgaaag gatactgtgc aactgtggaa 240
aaagataacc tcagaataaa aaaatctctc ctgagttgct aattaaaagt aggttaact 300
ttgaaatctt gcatataaat tcaatagaga ttttaaataa aaactgaact ccagggaata 360
attgtctgat aattttcaaa tagaaaatag aaaataatct cctgttaact caaatttccc 420

```

```

cattagatag ggaggccaag tatcattttt cccactttat gaaggaggaa acttttgaat 480
agagtagcaa tgtatcagag gtcacaacgt atcagaaatg gaggtaaact caaaatgaaa 540
tgtcacatga gcccttctta tcagggctta ccatatattt tctaacaaaa ggagttgcag 600
tacttataat attggatcat tacaaaatgt atgtttcaaa gaaagtatag ttcactaata 660
aatcaacaat ggaaaagata gcaattttgt cttcatacaa taaaaatgcc aagcatgtta 720
ttttaaagat ggtcttgcta atagtgtctg at 752

```

<210> 149  
 <211> 715  
 <212> DNA  
 <213> Cattle

```

<400> 149
ctctggtcct tacttcccca tagaaatcta gggcctcttg tgcctttaaa aatttgcccc 60
gatgtaacaa atatgcacaa atcattacac cagttcgtcc ctttccagct ttacagtga 120
ttgctgcaac atgattgtca tcttcactta gccattgggc aagatcttca caaaagggtt 180
tgataagttc taactgtggt ggattatggt cttcaaaggg atactgtgca actgtgata 240
aaaaataacc tcagaataag aaaataatct cacttgaatt gcttattaca agtaggttaa 300
ctttagaaat gttgcataca aatagtttaa aaatatctga actatagaga aaaagaattt 360
attgtctgat aattttctaa ttttgaacag aaaataatct ctcattaact caaatttatc 420
cattagacag gtacgtcaag tattattttt ctcactttat gatggaggca atggagtagc 480
aacatatcag aggtcacacac ataacagagg gagaggtaaa ctcaaaatga tacatcacia 540
gagcctctta tcagggstct caatacattt tctagcaaaa ggaactgtaa tatctataat 600
attgcattat cacaaaatat gtattccaaa gaaagcaaag atcctaataa atcacaatgc 660
aaagactgca ttttatgcta tatatacaga aggcagcata ttatttttaa gatgg 715

```

<210> 150  
 <211> 708  
 <212> DNA  
 <213> Banting cattle

```

<400> 150
ggtccttact tccccataga aatctagggc ctcttgtgcc tttaaaaaatt tgccccgatg 60
taacaaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggtcaaga tcttcacaaa agggtttgat 180
aagttctaac tgtggtggat tatggtcttc aaagggatac tgtgcaactg tgataaaaaa 240
ataacctcag aataagaaaa taatctcact tgaattgctt attacaagta ggtaaacttt 300
agaaatgttg catacaaaata gtttaaaaaat atctgaacta tagagaaaaa gaattttattg 360
tctgataatt ttctaatttt tgaacagaaa ataatctctc attaactcaa atttatccat 420
tagacaggta cgtcaagtat tattttcctc actttatgat ggaggcaatg gagtagcaac 480
atatcagagg tcacaacata acagaggagg aggtaaactc aaaatgatac atcacatgag 540
cctcttatca gggctctcaa tacattttct agcaaaagga actgtaatat ctataatatt 600
gcattatcgc aaaatatgta ttccaaagaa agcaaagatc actaataaat caacaatgca 660
aaagactgca ttttatgcta tatatacaga aggcaagcat attatttt 708

```

<210> 151  
 <211> 548  
 <212> DNA  
 <213> Red buffalo

```

<400> 151
ggtccttact tccccataga aatctagggc ctcttgtgcc tttaaaaaatt ttccccgatg 60
taacaaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggtcaaga tcttcacaaa agggtttgat 180
aagttctaac tgtggtggat tatggtcttc aaagggatac tgtgcaactg tgataaaaaa 240
ataacctcag aataagaaaa taatctcact tgaattgctt attacaagta ggtaaacttt 300

```

```

agaaatgttg catacaaaga gtttaaaaaat atctgaacta tagagaaaaa gaattttattg 360
tctgataaatt ttctaatttt gaacagaaaa taatctctca ttaactcaaa tttatccatt 420
agacaggtaa gtcaagtatt attttcctca ctttatgatg gaggcaatgg gtagcaacat 480
atcagaggca caacataaca gaggggaaag gtaaaactcaa aatgaaacat cacatgagcc 540
tcttatca 548

```

<210> 152  
 <211> 700  
 <212> DNA  
 <213> Sheep

```

<400> 152
tctggctcctt acttccccat agaaatctag ggcctcttgt gcctttaaaa atttgccccg 60
atgtaacaaa tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat 120
tgctgcaaca tgattgtcat cttcacttag ccattgggtca agatcttcac aaaaggggtt 180
gataagttct aactgtggtg gattatggtc ttcaaaggga tactgtgcaa ctgtgataaa 240
aagataaccg cagaataaga aaataatctc acttgaattg cttattacaa gtaggctaac 300
tttagaaatg ttgcatacaa atagttttaa aatrtctraa ctatagagga aaagaattta 360
ttgtctgata attttctaatt ttgcgaacag aaaataatct ctcattaact caaatttatc 420
cattcgacag gtaagacaag tattattttc ctactctat gatggaggca atggaggagc 480
aacatatcag aggtcacacac ataacggagg aagaggcaaa ctcagaatga aacgtcgac 540
gagcctctta gcagggtctt caatacgttt cctagcaaaa ggaactgtaa catctataat 600
atcgattat cacaaaacat gtattccaaa gaaagtacag atcactaata agtcaacaat 660
gcagaagact gcattttatg cttgacgtga cagaaaggca 700

```

<210> 153  
 <211> 780  
 <212> DNA  
 <213> Bighorn

```

<400> 153
ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60
caaatatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180
ttctaactgt ggtggattat ggtcttcaaa gggatactgt gcaactgtga taaaaagata 240
accgcagaat aagaaaataa tctcacctga attgcttatt acaagtaggc taactttaga 300
aatgttgcat acaaatagtt taaaaatctc tgaactatag tggaaaagaa tttattgtct 360
gataattttc taattttcga acagaaaata atctctcatt aactcaaatt tatccattcg 420
acaggtaaga caagtattat tttcctcact ctatgatgga ggcaatggag gagcaacata 480
tcagagggtc cagcataacg gaggaagagg caaactcaga atgaaacgtc gcacgagcct 540
cttagcaggg ctctcaatac gtttcctagc aaaagggaact gtaacatcta taatatcgca 600
ttatcacaaa acatgtattc caaagaaagt acagatcact aataagtcaa caatgcagaa 660
gactgcattt tatgcttgac gtgacagaaa gggcaagcat attattttaa gatggtctcg 720
aaaatgcaac tgttgcgtac acacaattct aaagacattc acaaagacac ttaaaaattt 780

```

<210> 154  
 <211> 463  
 <212> DNA  
 <213> Cameroon sheep

```

<400> 154
acttccccat agaaatctag ggcctcttgt gcctttaaaa atttgccccg atgtaacaaa 60
tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcacttag ccattgggtc agatcttcac aaaaggggtt gataagttct 180
aactgtggtg gattatgggtc ttcaaaggga tactgtgcaa ctgtgataaa aagataaccg 240

```

```

cagaataaga aaataatctc acttgaattg cttattacaa gtaggcgggt ttagaaatgt 300
tgcatacaaa tagtttaaaa atgtotgaac tatagaggaa agaatttatt gtctgataat 360
tttctaattt tcgaacagaa aataatctct cattaactca aatttatcca ttcgacaggt 420
agacaagtat tatttttctca ctctwtgatg gaggcattgg agg 463

```

<210> 155  
 <211> 524  
 <212> DNA  
 <213> Deer

```

<400> 155
tctctgggtcc ttacttcccc gtagaaatct agggcctctt gtgcctttta aaatttgccc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cttttccagc tttacagtga 120
atcgctgcaa catgattgtc atcctcactt agccattggg caagatcttc acaaaagggc 180
ttgataagtt ctaactgtgg tggattatgg tcttcaaagg gatactgtgc aactgtgata 240
aaaaaatgac ctcagaataa gaaaataatt tcacttgaat tgcttattac aagtaggtta 300
actttagaaa tgttgcataa aaatagttta aaaatatccg aaccataaag aaaaagaatt 360
tattgtctgg taattttcta atttttgaac agaaaataat ctctcattaa ctcaaattta 420
tccattagaa aggtaagtca agtattgttt tcctcacttc atgatggagg caatggagga 480
gcaacatatc agaggcacag cataacagag gaagaggtaa actc 524

```

<210> 156  
 <211> 647  
 <212> DNA  
 <213> Roe deer

```

<400> 156
tctctgggtcc ttacttcccc gtagaaatct agggcctctt gtgcctttta aaatttgccc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cttttccagc tttacagtga 120
atcgctgcaa catgattgtc atcctcactt agccattggg caagatcttc acaaaagggg 180
ttgataagtt ctaactgtgg tggattatgg tcttcaaagg gatactgtgc aactgtgata 240
aaaagataac ctcagaataa gaaaataatt tcacttgaat tgcttattac aagtaggtta 300
actttagaaa tgttgcataa aaatagttta aaaatatcca aaccataaag aaaaagaattt 360
attgtctgat aatttttcta tttttgaaca gaaaataatc tcttatwaac tcaaattgat 420
ccattagaaa ggtaagcaga gtattgtttt cctcacttca tgatgcaggc aatggaggag 480
caacatatca gaggtcacag cataacagag gaagaggtaa actcacaatg aaacatcaca 540
tagcctctta tcaggactct caatacattt tctagcagaa ggaaccgtaa tatctataac 600
attgcattat cacaaagtat gtattccaaa taaagtacat aacacta 647

```

<210> 157  
 <211> 512  
 <212> DNA  
 <213> Goitred gazelle

```

<400> 157
tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg ccccgatgta 60
acaaatatgc acaaatcatt acaccagttc gtccctttcc agcttttacag tgaattgctg 120
caacatgatt gtcacttcca cttagccatt ggtcaagatc ttcacaaaag ggtttgataa 180
gttctaactg tgggtggatta tgggtcttcaa agggatactg tgcaactgtg ataaaaagat 240
aacctcagaa taagaaaata atctcacttg aattgcttat tataagtagg ttaactttat 300
aatgtttgca tacaacagat ttaaaaatat ctgaactaca gagaaaaaga atttattgtc 360
tgataatttc taattttttg acagaaaata atctctcata actcaaattt acccattaga 420
caggtaaagg aagtattatt ttctcacttt atgatggagg caatggagta gcacatatca 480
gaggcacaac ctaacagagg agaggtaact ca 512

```

<210> 158

<211> 798  
 <212> DNA  
 <213> Horse

```
<400> 158
ggtccttact tctccataga aatctagggc ctctgtgtgc tttaaaaact tgccccgatg 60
taacaaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggccaaga tcttcacaaa aggggtttgat 180
aagttctagc tgtggtggat tatgatcttc aaaaggatac tgtgcaactg tggtaaaaaag 240
ataatctcaa attaagaaaa aaatctctcc tgaattgttt attaaaagta ggtaactttt 300
aggaatgctg cgtataagtt taacagatat ttaaaagaaa aactgaactc cagagaaaaa 360
taattttattg tctgataatt ttctaatttt tgaatagaaa ataagagtcc cattaattct 420
caaaactcat ccattagaca gggaagccaa gtattatttt ccctactcta tgaaggagta 480
cattgtgcta tgcagaggta gcaaaggcca caacacataa gacatggagg tgaactcaaa 540
atgaaatgtc acatgggcct cttgttatgg ctttcaatgc atactctaac aaaaggagaa 600
ataacactta gaatattgca tcaccacaaa acatatattc caaagaaagt acagattact 660
aataaatcaa cggraaggat ggcattttac acttcatata ataaaaatgc taactgtgtt 720
attttaaaga tggctctggc aatggtagcg ctgtataccg actttaacag catttacaaa 780
gaaactggaa aatcactt                                     798
```

<210> 159  
 <211> 519  
 <212> DNA  
 <213> African elephant

<220>  
 <221> misc\_feature  
 <222> (1)...(519)  
 <223> n = A,T,C or G

```
<400> 159
tggtccttac ttcnnnnnnn nnnnnnnnnn nnncttgtgc ctttaaaaat ttgccccgat 60
gtaacaaata tgcacaaatc attacaccag ttcgctccctt tccagcttta cagtgaattg 120
ctgcaacatg attgtcatct tcacttagcc attggccaag atcttcacaa aagggtttga 180
taagctctag ttgtggtggg ttgtggtctt caaaaggata ctgtgcaact gtggtaaaaa 240
gataaactca gaataagaaa aaaatctctc ctgaattttt aattaaaagt aggttagctt 300
cagaacattt gcacataaac tataaacagg tgtttaaata aaagataagc taaactccct 360
taaaaaaaaaa tttattgcct gataacttgc tagtttttga atatagtctc tcactaactc 420
ttaaatgcat ccattaaaaa aggagaccaa gtattatttt cccacatta tgctagagga 480
aactgtgtta tgctgaagta gcacaggtta catctcaga                                     519
```

<210> 160  
 <211> 776  
 <212> DNA  
 <213> Indian elephant

<220>  
 <221> misc\_feature  
 <222> (1)...(776)  
 <223> n = A,T,C or G

```
<400> 160
tggtccttac ttccccataa aaatctaggg cttcttgtgc ctttaaaaat ttgccccgat 60
gtaacaaata tgcacaaatc attacaccag ttcgctccctt tccagcttta cagtgaattg 120
ctgcaacatg attgtcatct tcacttagcc attggccaag atcttcacaa aagggtttga 180
taagctctag ttgtggtggg ttgtggtctt caaaaggata ctgtgcaact gtggtaaaaa 240
```

```

gataaactca gaataagaaa aaaatctctc ctgaattttt aattaaaagt aggttagctt 300
cagaaacatt gcacataaac tataaacagg tgtttaaata aaagataagc taaactccat 360
taaaaaaaaaa tttattgcct gataacttgc tagtttttga atatagtctc tcactaactc 420
ttaaattgcat ccattaaaaa aggagaccaa gtattatttt cccacatta tgctagagga 480
aactgtgtta tgctgaagta gcacagggtta catctcagag gtggagctga acccaaaaag 540
aaatgtttaca taggcctctt gtcaagggtt gtcaatgcat tttctaacaa aaggagtagt 600
gacactaata atattgcatc accttggtta cagaacatat tctcaaagggt agaattggatt 660
attaacagaa tcagtaatgg aaaggattgc attttatact tcatataaaa natgttcggt 720
ctattattta aagggtgcct taaaaatggt agtgttgtat acaatgattt ataaga 776

```

<210> 161

<211> 701

<212> DNA

<213> Dog

<400> 161

```

ggtccttact tccccataga aatctagggc ctcttgtgcc tttagaaatt tgccccgatg 60
taataaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggtcaaga tcttcacaaa agggtttgat 180
aagttctagc tgtggtggat tatggtcttc aaaaggatac tgtgcaactg tggtaaaaag 240
ataacctcag aattagaaaa aagtctttcc tgaactgttt attaaaagta ggttaacttt 300
agaaacattg catgtaagct taacagatgt ttaaaaagaaa aacggaactc cagagaaaaa 360
taatttgctg tctgataatt ttccaatttt tgaatagaaa atagtctctc attaatctct 420
aaacctacca ctagagagag aggctaagca ttattttccc cactttaatg aaaggagaaa 480
ctttgcaatg gagagggagc acacgtcaac atatcagagg gaagaggcaa actcaaaatg 540
aaatggcaca caggtttctt gtcagggtc tcaatgcatt ttctgacaaa aggagtcata 600
atatttataa tactacgtca tcacaaaata tatattccag agaaagtata aataaccgat 660
aatcaatga tggaaaggat tgattttaca cttgatataa t 701

```

<210> 162

<211> 603

<212> DNA

<213> Sun bear

<220>

<221> misc\_feature

<222> (1)...(603)

<223> n = A,T,C or G

<400> 162

```

ggtccttact tcnnnncata gaaatctagg gcctcttgtg cctttaaaaa tttgccccga 60
tgtaataaat atgcacaaat cattacacca gttcgtccct ttccagcttt acagtgaatt 120
gctgcaacat gattgtcatc ttcacttagc cattggtcaa gatcttcaca aaaggggttg 180
ataagttcta gctgtggtgg attatggtct tcaaaaggat actgtgcaac tgtggtaaaa 240
ggataacctc agaattagaa aaaagtcttt cctgaattgt ttattaaaga aggttaactt 300
tagaaatggt gcatataagc ttaacagatg tttaaaagaa aaactaaact ccagagaaaa 360
taatttgctg cctgacaatt tacgaatttt tgaatagaaa acagtctctc attaatctct 420
aaaccacccc acaagacaga ggccaagcat tatgttcccc acttaactga agaggaaaaga 480
aactttgcta tggagaggta gcacaagtca catatcagag ggagaggcaa attcnaaatg 540
aatgtcacg taggttaggt tctgttaggg ctctcaatgc atttttctga caaaaggagt 600
cgt 603

```

<210> 163

<211> 536

<212> DNA

<213> Mouse

```

<400> 163
ccttactttcc ccataaaaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgcaa 60
taaataatgca caaatcatta caccagtcgc tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacagaagg gtttgataag 180
ttctagctgt ggtgggttat ggtcttcaaa aggatactgt gcaactgttg caaaaagata 240
atcccagtggt aagaaaaattt taaatTTTTT atttAAAAAC ataggTTAAC tttcaaaatg 300
ttatatataa acttactggt tcttaaaaga agcctaactt tcaggaaatt ttaattttatt 360
actaattaaa cctagatttt aaagaaagtc ttttattaat tcttaaagtc attcattaga 420
catggaaaca agcattgtgc tcttcactcc agggaggatg aatctgtgca tgaagggaac 480
acgtcatagc ctatcagtc actgaatcca aatgcacgtc acccaggcac ttgtca 536

```

```

<210> 164
<211> 696
<212> DNA
<213> Guinea pig

```

```

<400> 164
acttctccat agaaatctag agcctcttgt gcctttaaaa atttgccccg atgtaataaaa 60
tatgcacaaa tcattacacc agtccgtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcacttag ccattgggtca agatcttcac aaaaaggctt gataagttct 180
agctgtggtg ggttatgac ttcaaaaggg tattgtgcaa ctgtgataaa aacataatct 240
cagagtaaga aagggatctt gcctaaattt ctaatcagaa ataggTCAAC tttagaaatg 300
tttcacataa actcaagatg tttaaacaga aaaactgaac tgcatagaaa aataattttat 360
tgttcgTTTA cttttttact ttctTTTTTT aaaatacaaa atagtctatt agtaactttt 420
aaacgtatct attacacaag gtggccagggt attacgttct tcacttcatg caggagaaaa 480
ctgtgatttg acagggaaca cagatcataa aacatcaaag atacatcgaa tccaaaaaaa 540
taccaggTCA cacagcctct cataacgtct ttaggTGAAT ttctgacaaa agcagtaaca 600
tttattatac tgcataacca tacaacacac tttgaaggaa gtatgaacta ctaatrggat 660
acactatgaa aaarmtgcat tttatatTTT ataaat 696

```

```

<210> 165
<211> 695
<212> DNA
<213> Himalaya-Tahr

```

```

<220>
<221> misc_feature
<222> (1)...(695)
<223> n = A,T,C or G

```

```

<400> 165
acttcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna atttgccccg atgtaacaaa 60
tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcacttag ccattgggtca agatcttcac aaaagggttt gataagttct 180
aactgtggtg gattatgggtc ttcaaaggga tactgtgcaa ctgtgataaa aagataaccg 240
cagaataaga aaataatctc acttgaattg cttattacaa gtaggTTAAC tttagaaatg 300
ttgtatacaa atagttttaa aatatctgaa ctatagagga aaagaattta ttgtctgata 360
atTTTctaT tttgaacaga aaataatctc tcattaaact aaattttatcc attcgacagg 420
taagacaagt attcttttcc tactctatg atggaggcaa tggaggagca acatatcaga 480
ggtcacaaca taacgsagga agaggcaaac tcaagagtga aacgtcgcac gagcctctta 540
tcaggcctct ccaatacgtt tcctagcaaa aggaactgta acatctataa tatcgcatTA 600
tcacaaaaca tgtattccaa agaaagtaca gatcactaat aggtccaatg cagaagactg 660
cattttatgt tgatgtgaca gaaaggcaaa gcata 695

```

```

<210> 166
<211> 281

```

<212> DNA  
<213> Human

<400> 166  
ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60  
taaataatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120  
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgatcag 180  
ttctagctgt ggtgggttat ggtcttcaaa aggatattgt gcaactgtgg taaaaagata 240  
acctcagaat aagaaaaaaa actcctgaat ttttaattac a 281

<210> 167  
<211> 373  
<212> DNA  
<213> Vikunja

<220>  
<221> misc\_feature  
<222> (1)...(373)  
<223> n = A,T,C or G

<400> 167  
ccttacttcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngatgtaa 60  
caaataatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120  
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180  
ttctagctgt ggtgggattat ggtcttcaaa aggatactgt gcaactgtgg ttaaaaaaaaa 240  
agaaaagaaa aaaagaacct cagaataaga aaaaaaatct cccctgaact gcttattaaa 300  
tgcaagttaa ctttggaat gttggcatat taaccttaac agacgtttta aaaggaaaat 360  
ctgaactcca gag 373

<210> 168  
<211> 291  
<212> DNA  
<213> Spotted mustang

<220>  
<221> misc\_feature  
<222> (1)...(291)  
<223> n = A,T,C or G

<400> 168  
ctctggctct tacttcccca tagaaatcta gggcctcttg tgcctttaaa aatttgcccc 60  
gatgnaataa atatgcacaa atcattacac cagttcgctc ctttccagct ttacagtga 120  
ttgctgcaac atgattgtca tcttcaactga gccattgggtc aagatcttca caaaagggtt 180  
tgataagttc cagctgcggt ggttatggt cttcaaaaagg atactgtgca actgtgtaaa 240  
aagatcacct cagagtgaga aaagagtcct tctgaactg tttcttaaaa g 291

<210> 169  
<211> 598  
<212> DNA  
<213> Fishing cat

<400> 169  
acttccccat agaaatctag ggcctcttgt gccttttaaaa atttgccccg atgcaataaa 60  
tatgcacaaa tcattacacc agttogtccc tttccagctt tacagtgaat tgctgcaaca 120  
tgattgtcat cttcactgag ccattgggtca agatcttcac aaaagggtt gataagttcc 180  
agctgcggtg gggttatggtc ttcaaaaagga tactgtgcaa ctgtgttaaaa agatcacctc 240



```

agaatgagaa aagaggcctt cctgaattgc ttcttaaaag taggttaact tcagaaacgt 300
tgcatataag cttaacagat gtttagaagg aaaactaaac tccagagaaa aatactcgtc 360
tgatgatttt ccaatttttg aacagaaaac agtctctcat taatttttaa acctatgcac 420
tagacagaga ggccgattat ttccccccat gacgaagagg agactgctct ggagagcaag 480
cacaagtcac aacgtgtcag agggagagga ggacccggaa tgtcacacag gtttcctgtc 540
agggctctca atgcattttc tgacaaaatg agtaatacgc ttatactatt acatcatc 598

```

```

<210> 170
<211> 220
<212> DNA
<213> Turkey

```

```

<220>
<221> misc_feature
<222> (1)...(220)
<223> n = A,T,C or G

```

```

<400> 170
ctctggtcct tacttcccca tagaaatcta gggcttcttg agcctttaaa aatttgcctc 60
gatgtaataa atatgcacat atcattacac cagtctgtcc ctttccagct ttacagtgga 120
ttgctgcaac atgattgtca tcttcactta gccattggtc aagatcttca caaaanggtt 180
tgataagctc taactgtggt ggggttatggt cttcaaaagg 220

```

```

<210> 171
<211> 505
<212> DNA
<213> Cockerel

```

```

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

```

```

<400> 171
tctggtcctt acttccccat agaaatctag ggcttcttga gcctttaaaa acttgcctcg 60
atgcaacaaa tatgcacata tcattacacc agttcgtccc tttccagctt tacagtggat 120
tgctgcaaca tgattgtcat cttcacttag ccattgggtca agatcttcac aaaaagggtt 180
gataagctct aactgtgggtg gggttatggtc ttcaaagggg tactgtgcaa ctgtaatgag 240
aaggattaac ttattaaaaa ctaaaaagga taatcaccaa gagctcaact agacagggtc 300
aatttgtgac aagcatgaaa aaattaacat tctaaatata gtcttgcata tagatttgta 360
tacacgcaac tttgattctg ctgttattca gtaacattgc acactaaatg catcacaaat 420
ttctctagta atacgtaagt atcttactgg catgaagagg actatcccac cgtgcttctg 480
nagttnttac tacagactct gcacc 505

```

```

<210> 172
<211> 645
<212> DNA
<213> Duck

```

```

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

```

```

<400> 172
ccttacttcc ccatagaaat ctagagcttc ttgagccttt aaaaacttgc ctctatgcaa 60

```

```

cagatatgcg catatcatta caccagttcg tccctttcca gctttacagt ggattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaaag gtttaatgag 180
ctcaagctgt ggtgggttat ggtcttcaaa aggggtactgt gcaactgcaa caagaaagaa 240
aaacttacca aaatctcaaa aggaaactac agcaagcttg actagacgtg tcatcttttg 300
acaagcacac acaaaaatta acattctaaa taaaaactgt cttatatgta tatacatata 360
gctttgcttt cactgttatt cagcagcata ctatacactn ttncacatca cagacatttc 420
tctattaata cataagcaca tatcttagac tatttcacag tgcttctgaa acaagtcgca 480
cagactctat tttaacttat ttttctgaaa tttaagagt gctgggcaca aagaataacc 540
ttgtgaaaac ccattagtca cagactacct gctgagagaa agcagggcaa acctcactca 600
ctgatcagag acaggggattt tgcagcaaga attctgagt gctgg 645

```

<210> 173  
 <211> 516  
 <212> DNA  
 <213> Quail

<220>  
 <221> misc\_feature  
 <222> (1)...(516)  
 <223> n = A,T,C or G

```

<400> 173
ccttacttcn nnnnnnnnnn nnnnnnnnnn nnnnnccttt aaaaacttgc ntcgatgcaa 60
caaatatgca catatcatta caccagttcg tccctttcca gctttacaat ggattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaaag gtttgataag 180
ctctagctgt ggtgggttat ggtcttcaaa aggggtactgt gcaactgcaa tgagaaggaa 240
taacgttcta aataaaacac agtcttgcat acagatttgc atccacacag ctttgattct 300
gttggttatt agcagcatat tacacactat aaatgcatca catgtttctc tagtaatacg 360
taagcatctt gctgcatgaa gagacctcag aagcattgtg ggaatagtta gtgctaccaa 420
ctgcacctta caccatgatt ttactcaaat taagagtgtta ctggcacaaa aaataacgtg 480
ttttaaggtc acccatcaaa tgcagtgtct tttttt 516

```

<210> 174  
 <211> 395  
 <212> DNA  
 <213> Trout

<220>  
 <221> misc\_feature  
 <222> (1)...(395)  
 <223> n = A,T,C or G

```

<400> 174
tctctggtcc ttacttcnnn nnnnnnnnnn nnnnnnnnnn ngctttgagg aacttgcccc 60
ggtgtaacag gtaagcacag atcatgacac ccgtacgtcc ctttccagct ttacagtga 120
tcgccgccac atgattgtcg tcttcaacta accaaaggct aagatcttcg cagaacgggt 180
tgatcagctc cagctggggc ggattgtgat cctcaaacgg atattgtgca actggagana 240
gacagacaga gaccgggctc agttagttag cgtcacacgt gggtttttag tgaaagattg 300
attcattcac tgactgcctg aaagacagtg ataatggttt cactctgatg taatatctaa 360
cctctgcaat tgaatttggtg ttgcgtcata atgtc 395

```

<210> 175  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; PTENse sense

&lt;400&gt; 175

atcttgacca atggctaagt g

21

&lt;210&gt; 176

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Zoo44aRV

&lt;400&gt; 176

ttgtctctgg tccttacttc

20

&lt;210&gt; 177

&lt;211&gt; 160

&lt;212&gt; DNA

&lt;213&gt; Goat

&lt;400&gt; 177

tctctgggtcc	ttacttcccc	atagaaatct	agggcctctt	gtgcctttta	aaatttgccc	60
cgatgtaaca	aatatgcaca	aatcattaca	ccagttcgtc	cctttccagc	tttacagtga	120
attgctgcaa	catgattgtc	atcttcactt	agccattggt			160

&lt;210&gt; 178

&lt;211&gt; 150

&lt;212&gt; DNA

&lt;213&gt; Antelope

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(150)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 178

ctggtcctta	cttccccata	gaaatctagg	gcctnntgtg	cctttaaaaa	tttgccccga	60
tgtaacaaat	atgcacaaat	cattacacca	gttcgtccct	ttccagcttt	acagtgaatt	120
gctgcaacat	gattgtcatc	ttcacttagc				150

&lt;210&gt; 179

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Kangaroo

&lt;400&gt; 179

tctctgggtcc	ttacttcccc	atagaaatct	agagcctctt	gtgcctttta	aaactttcct	60
cgatgtaata	aatatgcaca	aatcattacg	ccagttcgtc	cctttcctgc	tttacagtga	120
attgctgcaa	catgattgtc	atcttcactt	agc			153

&lt;210&gt; 180

&lt;211&gt; 154

&lt;212&gt; DNA

&lt;213&gt; Rabbit

<400> 180  
gtctctggtc cttactttct cataaaaaatc taggggtttt tgtgccttta aaaatttgcc 60  
ccgatgtaat aaatatgcac aaatcattac accagttcgt ccctttccag ctttacagtg 120  
aattgctgca acatgattgt catcttcact tagc 154

<210> 181  
<211> 155  
<212> DNA  
<213> Hare

<400> 181  
ggtccttact tctccataaa aatctagggc ttctttgtgcc tttaaaaatt tgccccgatg 60  
taataaatat gcacaaatca ttacaccagt tegtcccttt ccagctttac agtgaattgc 120  
tgcaacatga ttgtcatctt cacttagcca ttgggt 155

<210> 182  
<211> 159  
<212> DNA  
<213> Goose

<400> 182  
tctctggtcc ttacttcccc atagaaatct agagcttctt gagcctttta aaacttgcct 60  
cgatgcaaca aatatgcgca tatcattaca ccagttcgtc cctttccagc tttacagtgg 120  
attgctgcaa catgattgtc atcttcactt agccattgg 159

<210> 183  
<211> 156  
<212> DNA  
<213> Ostrich

<400> 183  
ctctggtcct tacttcccc tagaaatcta gggcttccctg agcccttaaa aacttgcctc 60  
gatgtaacaa ataagcacat atcattacac cagttcgtcc ctttccagct ttacagtgga 120  
ttgctgcaac gtgattgtca tcttcaacta gccatt 156

<210> 184  
<211> 151  
<212> DNA  
<213> Pigeon

<400> 184  
tctggtcctt acttctcgt agaaatctag ggcttcttga gcctttaaaa acttgcctcg 60  
atgcaacaaa tatgcacata tcattacacc agttcgtccc tttccagctt tacagtggat 120  
tgctgcaacg tgattgtcgt cttcacttag c 151

<210> 185  
<211> 163  
<212> DNA  
<213> Varan

<400> 185  
tctctggtcc ttacttcccc atagaaatct agagcttctt gtgccttttg aaatcttctc 60  
cgatgtaata aatatgcaca aaatcattaca ccagttcgtc cctttccagc tttacaatgg 120  
attgccgcaa cgtgattgac atcttcactt agccattggc caa 163

<210> 186

<211> 160  
 <212> DNA  
 <213> Trout

<400> 186  
 tctggtcctt acttcaccgt agaagtcacg agcttcctgt gctttgagga acttgccccg 60  
 gtgtaacagg taagcacaga tcatgacacc cgtacgtccc tttccagctt tacagtgaat 120  
 cgccgccacg tgattgtcgt cctcacttag ccattggtca 160

<210> 187  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PTENex6F sense

<400> 187  
 ggagtaacta ttcccagtc gag 23

<210> 188  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PTENex6R antisense

<400> 188  
 gcaagttccg ccaactgaa 18

<210> 189  
 <211> 138  
 <212> DNA  
 <213> Man

<400> 189  
 ggagtaacta ttcccagtc gaggcgctat gtgtattayt atagctacct gktaaagaat 60  
 catctggatt atagaccagt ggcactgttg tttcacaaga tgatgtttga aactattcca 120  
 atgttcagtg gcggaact 138

<210> 190  
 <211> 131  
 <212> DNA  
 <213> Chimpanzee

<400> 190  
 ctattcccag tcagaggcgc tatgtgtatt attatagcta cctgttaaag aatcatctgg 60  
 attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120  
 gtggcggaac t 131

<210> 191  
 <211> 128  
 <212> DNA  
 <213> Cattle

<400> 191  
 ttcccagtcaggagcgctatgtgtattattatagctacctgttaaagaatcatctggatt60  
 atagaccagtggcactgttgtttcacaagatgatgtttgaactattccaatgttcagtg120  
 gcggaact128

<210> 192  
 <211> 128  
 <212> DNA  
 <213> Sheep

<400> 192  
 ttcccagtcaggagcgctatgtgtattattatagctacctgttaaagaatcatctggatt60  
 acagaccagtggcactgttgtttcacaagatgatgtttgaactattccc atgttcagtg120  
 gcggaact128

<210> 193  
 <211> 126  
 <212> DNA  
 <213> Goat

<400> 193  
 tcccagtcaggagcgctatgtgtattatta tagctacctgttaaagaatc atctggatta60  
 cagaccagtggcactgttggttcacaagatgatgtttgaactattccaa tgttcagtg120  
 cggaac126

<210> 194  
 <211> 131  
 <212> DNA  
 <213> Red buffalo

<400> 194  
 gtaactattccagtcagaggcgctatgtgtattattata gctacctgtt aaagaatcat60  
 ctggattatagaccagtggc actgttggttcacaagatgatgtttgaaac tattccaatg120  
 ttcagtggcg g131

<210> 195  
 <211> 127  
 <212> DNA  
 <213> Deer

<400> 195  
 ttcccagtcaggagcgctatgtgtattattatagctacctgttaaagaatcatctggatt60  
 atagaccagtggcactgttgtttcacaagatgatgtttgaactattcca atgttcagtg120  
 gcggaac127

<210> 196  
 <211> 131  
 <212> DNA  
 <213> Roe deer

<400> 196  
 ctattcccagtcagagggcgtatgtgtattattatagctacctgtttaaag aatcatctgg60  
 attatagacc agtggcactgttgtttcacagatgatgttgaaactatt ccaatgttca120  
 gtggcggaac t131

<210> 197

<211> 126  
 <212> DNA  
 <213> Goitred gazelle

<400> 197  
 cccagtcaga ggcgctatgt gtattattat agctacctgt taaagaatca tctggattat 60  
 agaccagtgg cactgttgtt tcacaagatg atgtttgaaa ctattccaat gttcagtggc 120  
 ggaact 126

<210> 198  
 <211> 132  
 <212> DNA  
 <213> Horse

<400> 198  
 actattccca gtcagaggcg ctatgtgtat tattatagct acctgttaaa gaatcatctg 60  
 gattatagac cagtggcact gttgtttcac aagatgatgt ttgaaactat tccaatgttc 120  
 agtggcggaa ct 132

<210> 199  
 <211> 125  
 <212> DNA  
 <213> Dog

<400> 199  
 tcccagtcag aggcgctatg tgtattatta tagctacctg ttaaagaatc atctggatta 60  
 tagaccagtg gcactgttgt ttcacaagat gatgtttgaa actattccaa tgttcagtgg 120  
 cggaa 125

<210> 200  
 <211> 129  
 <212> DNA  
 <213> Sun bear

<400> 200  
 ctattcccag tcagagggcg tatgtgtatt attatagcta cctgttaaag aatcatctgg 60  
 attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120  
 gtggcggaa 129

<210> 201  
 <211> 128  
 <212> DNA  
 <213> Rabbit

<400> 201  
 ctattcccag tcagagacgc tatgtgtatt attatagcta cctgttaaag aatcatctgg 60  
 attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120  
 gtggcggaa 128

<210> 202  
 <211> 128  
 <212> DNA  
 <213> Hare

<400> 202  
 tattcccagt cagagacgct atgtgtatta ttatagctac ctgttaaaga atcatctgga 60

ttatagacca gtggcactgt tgtttcaca gatgatgttt gaaactattc caatgttcag 120  
 tggcgga 128

<210> 203  
 <211> 127  
 <212> DNA  
 <213> Antelope

<400> 203  
 attcccagtc agaggcgcta tgtgtattat tatagctacc tgttaaagaa tcatctggat 60  
 tatagaccag tggcactgtt gtttcacaag atgatgtttg aaactattcc aatgttcagt 120  
 ggcgga 127

<210> 204  
 <211> 127  
 <212> DNA  
 <213> Kangaroo

<400> 204  
 tcccagtcag aggcgctatg tgtattacta tagccacctg ttaaagcatc atttggatta 60  
 cagaccagtg gccctgctgt ttcacaagat gatgtttgaa acaattccaa tgttcagtgg 120  
 cggaact 127

<210> 205  
 <211> 133  
 <212> DNA  
 <213> Python

<400> 205  
 actattccca gtcagagacg ctatgtatat tattatagct acctgttaaa gaatcatctg 60  
 gattacagac cagtagcact gctgtttcat aaaatgatgt ttgaaacaat tccaatgttc 120  
 agtggcgga ctt 133

<210> 206  
 <211> 132  
 <212> DNA  
 <213> Varan

<400> 206  
 actattccca gtcagaggcg ctatgtatat tattacagct accttttaaa gaatcatctg 60  
 gattacagac ccgtggcatt gctcttccat aaaatgatgt ttgaaacaat tccaatgttc 120  
 agtggcgga ct 132

<210> 207  
 <211> 132  
 <212> DNA  
 <213> Turkey

<400> 207  
 actattccca gtcagagacg ctacgtgtac tactatagct acctgttaaa gaatcacctt 60  
 gattacagac cagtggcact gctgtttcac aagatgatgt ttgaaacaat tcccatgttc 120  
 agtggcgga ct 132

<210> 208  
 <211> 124  
 <212> DNA



<213> Chicken

<400> 208

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tcccagtcag agacgctacg tgtactacta tagctacctg ttaaagaatc accttgatta 60
cagaccagtg gcactgctgt ttcacaagat gatgtttgaa acaattccca tggtcagtgg 120
cgga                                           124
```

<210> 209

<211> 127

<212> DNA

<213> Duck

<400> 209

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tcccagtcag agacgctacg tgtactatta tagctacctg ttaaagaatc acctggatta 60
cagaccagtg gcactgctgt ttcacaagat gatgtttgaa acaattccca tggtcagtgg 120
cggaact                                         127
```

<210> 210

<211> 131

<212> DNA

<213> Quail

<400> 210

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ctattcccag tcagagacgc tacgtgtact actatagcta cctgttaaag aatcaccttg 60
attacagacc agtggcactg ctgtttcaca agatgatgtt tgaaacaatt ccatgtttca 120
gtggcggaac t                                           131
```

<210> 211

<211> 130

<212> DNA

<213> Goose

<400> 211

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tattcccagt cagagacgct acgtgtacta ttatagctac ctgttaaaga atcacctgga 60
ttacagacca gtggcactgc tgtttcaca gatgatgtt gaaacaattc ccatgttcag 120
tggcggaact                                         130
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<210> 212

<211> 128

<212> DNA

<213> Ostrich

<400> 212

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attcccagtc agagacgcta cgtgtattac tatagctacc tgttaaagaa ccacctggat 60
tacagaccag tggcactgct gtttcacaag atgatgtttg aaacaattcc aatgttcagt 120
ggcggaac                                           128
```

<210> 213

<211> 126

<212> DNA

<213> Pigeon

<400> 213

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cccagtcaga ggcgctacgt gtattactat agctatctgt taaagaacca cctggattac 60
agaccagtgg cactgctgtt tcacaagatg atgtttgaaa caattcccat gttcagtggc 120
ggaact                                           126
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<210> 214  
 <211> 130  
 <212> DNA  
 <213> Trout

<220>  
 <221> misc\_feature  
 <222> (1)...(130)  
 <223> n = A,T,C or G

<400> 214  
 attcccagtc agagggcgcta tgtctattac tatagccacc ttctcaagaa ccagctgaat 60  
 tacaaaccng tggctctgct cttccacaag atggtgttcg agacgggtgcc catgttcagt 120  
 ggcggaactt 130

<210> 215  
 <211> 122  
 <212> DNA  
 <213> Carp

<400> 215  
 gtcagaggcg atatgtgtac tactatagct accttctgaa gaataagctg gagtacaaac 60  
 ctgtggcctt gctctttcac aagatgggtg ttgagacagt gcccatgttc agtggcgga 120  
 ct 122

<210> 216  
 <211> 130  
 <212> DNA  
 <213> Salmon

<400> 216  
 tattcccagt cagagggcgt atgtctacta ctacagccac cttctgaaga accagctgga 60  
 gtacaaacca gtggctctgc tgttccacaa gatggtgttc gagacgggtgc ccatgttcag 120  
 tggcggaact 130

<210> 217  
 <211> 132  
 <212> DNA  
 <213> Wels

<400> 217  
 actattccca gtcagaggcg atatgtgtac tactatagct accttctgaa gaataagctg 60  
 gagtacaaac ctgtggcctt gctctttcac aagatgggtg ttgagacagt gcccatgttc 120  
 agtggcgga ct 132

<210> 218  
 <211> 129  
 <212> DNA  
 <213> Tench

<400> 218  
 attcccagtc agagggcgata tgtgtactac tatagctacc ttctgaagaa taagctggag 60  
 tacaaacctg tggccttgc ctttcacaag atggtgtttg agacagtgcc tatgttcagt 120  
 ggcggaact 129

<210> 219

<211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PTENex7F sense

<400> 219  
 cctcagtttg tggctgcca 20

<210> 220  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PTENex7R antisense

<400> 220  
 ccttttttag catcttgttc tgttt 25

<210> 221  
 <211> 168  
 <212> DNA  
 <213> Man

<220>  
 <221> misc\_feature  
 <222> (1)...(168)  
 <223> n = A,T,C or G

<400> 221  
 atcctcagtt tgtggtctgc cagctaaagg tgaagatata ttcctccaat tcaggaccca 60  
 cacgacggga agacaagttc atgtaytttg agttccctca gccgttacct gtntgtggtg 120  
 atatcaaagt agagttcttc cacaacaga acaaatgct aaaaaagg 168

<210> 222  
 <211> 159  
 <212> DNA  
 <213> Chimpanzee

<400> 222  
 agtttggtgt ctgccagcta aaggtgaaga tatattcctc caattcagga cccacacgac 60  
 ggggaagacaa gttcatgtac tttgagttcc ctcagccgtt acctgtgtgt ggtgatatca 120  
 aagtagagtt cttccacaaa cagaacaaga tgctaaaaa 159

<210> 223  
 <211> 161  
 <212> DNA  
 <213> Cattle

<400> 223  
 cagtttggtg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60  
 cggaagaca agttcatgta ctttgagttc ctcagccat tgcctgtgtg tggtagatc 120  
 aaagtagagt tcttcacaaa acagaacaag atgctaaaaa a 161

<210> 224  
 <211> 160  
 <212> DNA  
 <213> Sheep

<400> 224  
 gtttgtggtc tgccagctaa aggtgaagat atatctctcc aattcaggac ccacacgacg 60  
 ggaagacaag ttcatgtact ttgagttccc tcagccgctg cctgtgtgtg gtgacatcaa 120  
 agtagagttc ttccacaaac agaacaagat gctaaaaaag 160

<210> 225  
 <211> 161  
 <212> DNA  
 <213> Goat

<400> 225  
 cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60  
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagatc 120  
 aaagtagagt tcttcacaa acagaacaag atgctaaaaa a 161

<210> 226  
 <211> 153  
 <212> DNA  
 <213> Red buffalo

<400> 226  
 agtttgtgg ctgccagcta aaggtgaaga tatattcctc caattcagg acccacacga 60  
 gggaagaca gttcatgtac tttgagttc ctcagccgtt gcctgtgtg tggtagatca 120  
 aagtagagtt cttccacaa cagaacaaga tgc 153

<210> 227  
 <211> 159  
 <212> DNA  
 <213> Deer

<400> 227  
 cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60  
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagatc 120  
 aaagtagagt tcttcacaa acagaacaag atgctaaaa 159

<210> 228  
 <211> 162  
 <212> DNA  
 <213> Roe deer

<400> 228  
 cagtttgtgg tgtgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60  
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagatc 120  
 aaagtagagt tcttcacaa acagaacaag atgctaaaaa ag 162

<210> 229  
 <211> 161  
 <212> DNA  
 <213> Goitred gazelle

<400> 229

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cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
cggggaagata agttcatgta ctttgagttc cctcagccgt tgctgtgtg tggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaaa a 161

```

```

<210> 230
<211> 162
<212> DNA
<213> Horse

```

```

<400> 230
tcagtttgtg gtctgccagc taaaggtgaa gatatttcc tccaattcag gaccacacg 60
acgggaagac aagttcatgt actttgagtt cctcagccg ttgctgtgtg tggtgacat 120
caaagtagag ttcttccaca aacagaacaa gatgctaaaa aa 162

```

```

<210> 231
<211> 162
<212> DNA
<213> Dog

```

```

<400> 231
tcagtttgtg gtctgccagc taaaggtgaa gatctattcc tccaattcag gaccacacg 60
acgggaagac aagttcatgt actttgagtt cctcagcca ttgctgtgtg gcggtgacat 120
caaagtagag ttcttccaca aacagaacaa gatgctaaaa aa 162

```

```

<210> 232
<211> 161
<212> DNA
<213> Sun bear

```

```

<400> 232
cagtttgtgg tctgccagct aaaggtgaag atctattcct ccaattcagg acccacacga 60
cggggaagaca agttcatgta cttcgagttc cctcagccgt tacctgtgtg tggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaaa a 161

```

```

<210> 233
<211> 162
<212> DNA
<213> Rabbit

```

```

<400> 233
cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
cggggaagaca agttcatgta cttcgagttc cctcagccgt tgctgtgtg tggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaaa ag 162

```

```

<210> 234
<211> 156
<212> DNA
<213> Hare

```

```

<400> 234
ctcagtttgt ggtctgccag ctaaaggtga agatatattc ctccaattca ggaccacac 60
gacgggaaga caagttcatg tacttcgagt tccctcagcc gttgctgtg tgtggtgaca 120
tcaaagtaga gttcttccac aaacagaaca agatgc 156

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<210> 235
<211> 160

```

<212> DNA  
 <213> Antelope

<220>  
 <221> misc\_feature  
 <222> (1)...(160)  
 <223> n = A,T,C or G

<400> 235  
 tcagtttgtg gtctgccagc taaaggtgaa gatatatcc tccaannnag gacccacacg 60  
 acgggaagac aagttcatgt actttgagtt cctcagccg ttgcctgtgt gtggtgatat 120  
 caaagtagag ttcttcacaa aacagaacaa gatgctaaaa 160

<210> 236  
 <211> 163  
 <212> DNA  
 <213> Kangaroo

<400> 236  
 ctcagtttgt ggtctgccag ctgaaggtga agatctacac atccccgtca gggcccacgc 60  
 ggcgggaaga caagcacatg tacttcgagt tccccagcc tctgccggtg tgtggcgaca 120  
 ttaaagtgga attcttcac aaacagaaca agatgctaaa aaa 163

<210> 237  
 <211> 145  
 <212> DNA  
 <213> Turkey

<220>  
 <221> misc\_feature  
 <222> (1)...(145)  
 <223> n = A,T,C or G

<400> 237  
 cagtttgtgg tctgccagct aaaagtaaag atattcacct ccccttnnng accctcaaga 60  
 cgtgaagaca aatatatgta cttingaattc cctcaacctt tgccggnata cggtgatatc 120  
 aaagnggagt tcttcacaaa acagaa 145

<210> 238  
 <211> 146  
 <212> DNA  
 <213> Chicken

<400> 238  
 cagtttgtgg tctgccagct aaaggtaaag atattcacct ccccttcagg accctcaaga 60  
 cgtgaagaca agtatatgta ctttgaattc cctcaacctt tgccggtatg cggtgatatc 120  
 aaagtggagt tcttcacaaa acagaa 146

<210> 239  
 <211> 154  
 <212> DNA  
 <213> Duck

<400> 239  
 cagtttgtgg tctgccagct aaaggtaaag atattcacct ccccttcagg accctcaaga 60  
 cgtgaagaca agtatatgta ctttgaattc cctcaacctt tgccggtatg cggtgatatc 120

aaagtgggtgt ttttccacaa acagaacaag atgc

154

<210> 240  
 <211> 163  
 <212> DNA  
 <213> Quail

<400> 240  
 tcagtttgtg gtctgccagc taaaggtaaa gatattcacc tccccttcag gaccctcaag 60  
 acgtgaagac aagtatatgt actttgaatt ccctcaacct ttgccggtat gcggtgatat 120  
 caaagtggag ttcttccaca aacagaacaa gatgctaaaa aag 163

<210> 241  
 <211> 160  
 <212> DNA  
 <213> Ostrich

<400> 241  
 gtttgtgggc tgccagctaa aggtaaagat attcacctcc ccttcaggac cctcaagacg 60  
 tgaagacaag tatatgtact ttgaattccc tcaacccttg ccggtatgcg gtgatatcaa 120  
 agtgggaattc ttccacaaac agaacaagat gctaaaaaag 160

<210> 242  
 <211> 145  
 <212> DNA  
 <213> Pigeon

<400> 242  
 tcagtttgtg gtctgccagc taaaggtaaa gatattcacc tccccttcag gaccctcaag 60  
 acgtgaagac aagtatatgt actttgaatt ccctcaacct ttgccggtat gcggtgatat 120  
 caaagtggaa ttttccaca aacag 145

<210> 243  
 <211> 163  
 <212> DNA  
 <213> Carp

<220>  
 <221> misc\_feature  
 <222> (1)...(163)  
 <223> n = A,T,C or G

<400> 243  
 tcagtttgtg gtctgccaac tgaagggtgaa aatccacacc tcaaaccag ygcacacaag 60  
 gcgagaggag aagtacatgt acttngattt tccncagcnn ctgcctgtgt gnggagacat 120  
 caaggtggag ttcttccaca aacagaacaa gatgctaaaa aag 163

<210> 244  
 <211> 160  
 <212> DNA  
 <213> Wells

<220>  
 <221> misc\_feature  
 <222> (1)...(160)  
 <223> n = A,T,C or G

<400> 244  
 agtttgtggt ctgccaaactg aaggtgaaaa tccacacatc aaacccagng cacacaaggc 60  
 gagaggagaa gtacatgtac ttngattttc cncagcnnct gcctgtgtgn ggagacatca 120  
 aggtggagtt cttccacaaa cagaacaaga tgctaaaaaa 160

<210> 245  
 <211> 159  
 <212> DNA  
 <213> Tench

<400> 245  
 agtttgtggt ctgccagctg aaggtgaaaa tccacacctc caacccagcg cacacaaggc 60  
 gagaggagaa atacatgtac ttcgagtttc cacagccatt gcctgtgtgt ggagacatca 120  
 aggtggagtt cttccacaaa cagaacaaga tgctaaaaaa 159

<210> 246  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PTENex8F sense

<400> 246  
 caaaatgttt cacttttggg taaa 24

<210> 247  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PTENex8R antisense

<400> 247  
 taaaatttgg agaaaagtat cggtt 25

<210> 248  
 <211> 226  
 <212> DNA  
 <213> Man

<400> 248  
 gacaaaaatg tttcactttt gggtaaatac attcttcata ccaggaccag aggaaacctc 60  
 agaaaaagta gaaaatggaa gtctatgtga tcaagaaaty gatagcattt gcagtataga 120  
 gcgtgcagat aatgacaagg artatctagt acttacttta acaaaaaatg atcttgacaa 180  
 agcaataaaa gacaaagcca accgatactt ttctccaaat tttaag 226

<210> 249  
 <211> 213  
 <212> DNA  
 <213> Chimpanzee

<400> 249  
 atgtttcact tttgggtaaa tacattcttc ataccaggac cagaggaaac ctcagaaaaa 60  
 gtagaaaaatg gaagtctatg tgatcaagaa atcgaatagca tttgcagtat agagcgtgca 120



gataatgaca aggaatatct agtacttact ttaacaaaaa atgatcttga caaagcaaat 180  
 aaagacaaag ccaaccgata cttttctcca aat 213

<210> 250  
 <211> 212  
 <212> DNA  
 <213> Cattle

<400> 250  
 tgtttcactt ttgggtaaac acattcttca taccaggacc agaggaaacc tcagaaaaag 60  
 tagaaaaatgg aagtctatgt gatcaagaaa ttgatagtat ttgcagtata gagcgtgcag 120  
 ataatgacaa ggaatatcta gtactcactt taacaaaaaa tgatctcgac aaagcaaata 180  
 aagacaaggc caaccgatac ttttctccaa at 212

<210> 251  
 <211> 211  
 <212> DNA  
 <213> Sheep

<400> 251  
 gtttcacttt tgggtaaaca cattcttcat accaggacca gaggaaacct cagaaaaagt 60  
 agaaaaatgga agtctatgtg atcaagaaat tgatagtatt tgcagtatag agcgtgcaga 120  
 taatgacaag gaatatctag tgctcacttt aacaaaaaat gatctcgaca aagcaaataa 180  
 agacaaggcc aaccgatact tttctccaaa t 211

<210> 252  
 <211> 213  
 <212> DNA  
 <213> Goat

<400> 252  
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60  
 gtagaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120  
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatcttga caaagcaaat 180  
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 253  
 <211> 212  
 <212> DNA  
 <213> Red buffalo

<400> 253  
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60  
 gtagaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120  
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatcttga caaagcaaat 180  
 aaagacaagg ccaaccgata cttttctcca aa 212

<210> 254  
 <211> 213  
 <212> DNA  
 <213> Deer

<400> 254  
 tgtttcactt ttgggtaaac acattcttca taccaggacc agaggaaacc tcagaaaaag 60  
 tagaaaaatgg aagtctatgt gatcaagaaa ttgatagtat ttgcagtata gagcgtgcag 120  
 ataatgacaa agaatatcta gtactcactt taacaaaaaa tgatctcgac aaagcaaata 180

aagacaaggc caaccgatac ttttctccaa att 213

<210> 255  
 <211> 214  
 <212> DNA  
 <213> Roe deer

<400> 255  
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 gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120  
 gataatgaca aagaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaatt 180  
 aaagacaagg ccaaccgata cttttctcca aatt 214

<210> 256  
 <211> 213  
 <212> DNA  
 <213> Goitred gazelle

<400> 256  
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60  
 gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120  
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaatt 180  
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 257  
 <211> 213  
 <212> DNA  
 <213> Horse

<400> 257  
 atgtttcact tttgggtaaa tacattcttt ataccaggac cagaggaaac ctcagaaaaa 60  
 gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120  
 gataatgaca aagaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaatt 180  
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 258  
 <211> 210  
 <212> DNA  
 <213> Dog

<400> 258  
 tttcactttt gggtaaaccac attcttcata ccaggaccag aggaaacctc agaaaaagta 60  
 gaaaatggaa gtctatgtga tcaagaaatt gatagtattt gcagtataga acgtgcagat 120  
 aatgacaagg aatatctagt actcacttta acaaaaaatg atctcgacaa agcaaataaa 180  
 gacaaggcca accgatactt ttctccaaat 210

<210> 259  
 <211> 213  
 <212> DNA  
 <213> Sun bear

<400> 259  
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60  
 gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120  
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaatt 180  
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 260  
 <211> 210  
 <212> DNA  
 <213> Rabbit

<400> 260  
 tttcactttt gggtaaatac gttctttata ccaggaccag aggaaacctc agaaaaagta 60  
 gaaaatggaa gtctttgtga tcaagaaatt gatagtattt gcagtataga acgtgcagat 120  
 aacgacaaag aatatctagt acttacttta acaaaaaatg atcttgataa agcaaataaa 180  
 gacaaggcaa accgatactt ttctccaaat 210

<210> 261  
 <211> 210  
 <212> DNA  
 <213> Hare

<400> 261  
 gtttcacttt tgggtaaata cgttctttat accaggacca gaggaaacct cagaaaaagt 60  
 agaaaatgga agtctttgtg atcaagaaat tgatagtatt tgcagtatag aacgtgcaga 120  
 taacgacaaa gaatatctag tacttacttt aacaaaaaat gatcttgata aagcaaataa 180  
 agacaaggca aaccgatact ttctccaaat 210

<210> 262  
 <211> 203  
 <212> DNA  
 <213> Antelope

<400> 262  
 acttttgggt aaatacatc ttcataccag gaccagagga aacctcagaa aaagtagaaa 60  
 atggaagtct atgtgatcaa gaaattgata gtatttgcag tatagagcgt gcagataatg 120  
 acaaggaata tctagtactc actttaacaa aaaatgatct tgacaaagca aataaagaca 180  
 aggccaaccg atacttttct cca 203

<210> 263  
 <211> 213  
 <212> DNA  
 <213> Kangaroo

<400> 263  
 tttcactttt gggtaaatac attcttcata ccaggaccag aggaaaattc agacaaagta 60  
 gaaaatggaa gtctttgtgg tgatcaagag attgatagta tttgcagtgc cgagcgatca 120  
 gataatgaca aggaatatct catactcaca ttatccaaaa atgatcttga caaagcgaat 180  
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 264  
 <211> 210  
 <212> DNA  
 <213> Python

<400> 264  
 tttcactttt gggtaaatac attcttcata ccaggaccag aggaaacctc agaaaaagta 60  
 gaaaatggaa gtctatgtga tcaagaaatc gatagcattt gcagtataga gcgtgcagat 120  
 aatgacaagg aatatctagt acttacttta acaaaaaatg atcttgacaa agcaaataaa 180  
 gacaaagcca accgatactt ttctccaaat 210

<210> 265

<211> 208  
 <212> DNA  
 <213> Turkey

<400> 265  
 tcactttttgg gtaaatatcat tcttcatagg actggatgaa aattcagaca aagtagaaaa 60  
 tggaagtcta gttgcagatc aggaacttga tgggtattttc agtacagagc gctcagataa 120  
 tgacaaggaa tattttaatcc ttacattaac aaaaaatgat ctagacaaag caaataaaga 180  
 caaagccaac cgatactttt ctccaaat 208

<210> 266  
 <211> 213  
 <212> DNA  
 <213> Chicken

<400> 266  
 tttcacttttt gggtaaatac attcttcata ggactggatg aaaattcaga caaagtagaa 60  
 aatggaagtc tagttgcaga tcaggaactt gatggtattt tcagtacaga gcgctcagat 120  
 aatgacaagg aatatttaac cttacatta acaaaaaatg atctagacaa agcaaataaa 180  
 gacaaagcca accgatactt tcttccaaat tta 213

<210> 267  
 <211> 210  
 <212> DNA  
 <213> Quail

<400> 267  
 ttcactttttg ggtaaataca ttcttcatag gactggatga aaattcagac aaagtagaaa 60  
 atggaagtct agttgcagat caggaacttg atggtatttt cagtacagag cgctcagata 120  
 atgacaagga atattttaac cttacattaa caaaaaacga tctagacaaa gcaaataaag 180  
 acaaagccaa ccgatacttt tcttccaaatt 210

<210> 268  
 <211> 213  
 <212> DNA  
 <213> Goose

<400> 268  
 atgttttcaact tttgggtaaa tacattcttc ataggactgg atgaaaattc agacaaagta 60  
 gaaaatggaa gtctagttgc agatcaggaa cttgatggta ttttcagtac agagcgctca 120  
 gataatgata aggaatatatt aatccttaca ttaacaaaa atgatctaga caaagcaaat 180  
 aaagacaaag ccaaccgata cttttctcca aat 213

<210> 269  
 <211> 235  
 <212> DNA  
 <213> Trout

<220>  
 <221> misc\_feature  
 <222> (1)...(235)  
 <223> n = A,T,C or G

<400> 269  
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 tgagaacggg acgttaccaa cggagacggt accaacggcg acgttaccaa aggagcaggc 120

aggaaaccaa acgggaggaa cgggggacaa cgacaaggat tacctgatcc tctcactgac 180  
 aaagaacgac ctggacaagg ccaacaagga taaabcaaac cgatactttt ctcca 235

<210> 270  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PTENex9F sense

<400> 270  
 gtgaagctgt acttcacaaa aac 23

<210> 271  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PTENex9tga antisense

<400> 271  
 aaaaaaattc agacttttgt aatttg 26

<210> 272  
 <211> 194  
 <212> DNA  
 <213> Man

<400> 272  
 gtgaagctgt acttcacaaa aacagtagag gagccgtcaa atccagaggc tagcagttca 60  
 acttctgtaa caccagatgt tagtgacaat gaacctgac attatagata ttctgacacc 120  
 actgactctg atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa 180  
 gtctgaattt tttt 194

<210> 273  
 <211> 180  
 <212> DNA  
 <213> Chimpanzee

<400> 273  
 gtacttcaca aaaacagtag aggagccgtc aaatccagag gctagcagtt caacttctgt 60  
 aacaccagat gttagtgaac atgaacctga tcattataga tattctgaca cactgactc 120  
 tgatccagag aatgaacctt ttgatgaaga tcagcataca caaattacaa aagtctgaat 180

<210> 274  
 <211> 176  
 <212> DNA  
 <213> Cattle

<400> 274  
 cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cttctgtaac 60  
 accagatggt agtgacaatg aacctgatca ttatagatat tctgacacca ctgactctga 120  
 tccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tctgaa 176

<210> 275  
 <211> 172  
 <212> DNA  
 <213> Sheep

<400> 275  
 cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cgtctgtaac 60  
 accagatgtc agtgacaatg aacctgatca ttacagatat tctgacacca ctgactctga 120  
 cccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tc 172

<210> 276  
 <211> 178  
 <212> DNA  
 <213> Goat

<400> 276  
 tacttcacaa aaacagtaga ggagtcatca aatccagagg ctagcagttc aacgtctgta 60  
 acaccagatg tcagtgacaa tgaacctgat cattacagat attctgacac cactgactct 120  
 gaccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaa 178

<210> 277  
 <211> 179  
 <212> DNA  
 <213> Red buffalo

<400> 277  
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 acaccgatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120  
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179

<210> 278  
 <211> 179  
 <212> DNA  
 <213> Deer

<400> 278  
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 acaccgatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120  
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179

<210> 279  
 <211> 173  
 <212> DNA  
 <213> Roe deer

<400> 279  
 acttcacaaa aacagtagag gagtcatcaa atccagaggc tagcagttca acttctgtaa 60  
 caccagatgt tagtgacaat gaacctgatc attatagata ttctgacacc actgactctg 120  
 atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa gtc 173

<210> 280  
 <211> 177  
 <212> DNA  
 <213> Goitred gazelle

<400> 280

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cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cgtctgtaac 60
accagatgtc agtgacaatg aacctgatca ttacagatat tctgacacca ctgactctga 120
cccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tctgaat 177

```

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<210> 281
<211> 180
<212> DNA
<213> Horse

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<400> 281
gtacttcaca aaaacagtag aggagccatc aaatccagag gctagcagtt caacttctgt 60
aacaccagat gttagtgaca atgaacctga tcattataga tattctgaca cactgactc 120
tgatccagag aatgaacctt ttgatgaaga tcagcataca caaattacaa aagtctgaat 180

```

```

<210> 282
<211> 180
<212> DNA
<213> Dog

```

```

<400> 282
gtacttcaca aaaactgtag aggagccatc aaacccggag gctagcagtt caacttctgt 60
gacgccagat gttagtgaca atgaacctga tcattataga tattctgaca cactgactc 120
tgacccagag aatgaacctt ttgatgaaga tcagcacaca caaattacaa aagtctgaat 180

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<210> 283
<211> 177
<212> DNA
<213> Sun bear

```

```

<400> 283
cttcacaaaa acagtagagg agccatcaaa tcccaggagct agcagttcaa cttctgtaac 60
accagacggt agtgacaatg aacctgacca ttatcgatat tctgacacca ctgactctga 120
tccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tctgaat 177

```

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<210> 284
<211> 177
<212> DNA
<213> Rabbit

```

```

<400> 284
tacttcacaa aaacagtaga ggagccatca aatccagagg ctagcagttc aacttctgta 60
acgccagatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120
gatccagaga atgaaccttt tgatgaagat cagcatcac aaattacaaa agtctga 177

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<210> 285
<211> 179
<212> DNA
<213> Hare

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<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

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&lt;400&gt; 285

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 acgccagatg ttagtgacaa tgancctgat cattatagat attctgacac cactgactct 120  
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179

&lt;210&gt; 286

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Antelope

&lt;400&gt; 286

acttcacaaa aacagtagag gagccatcaa atccagaggc tagcagttca acttctgtaa 60  
 caccagatgt tagtgacaat gaacctgatc attatagata ytctgacacc actgactctg 120  
 atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa gtctg 175

&lt;210&gt; 287

&lt;211&gt; 174

&lt;212&gt; DNA

&lt;213&gt; Varan

&lt;400&gt; 287

ttcacaaaaa ccgtagaaga accatcaaac ccagaggcta gcagctcaac ttcagtaacg 60  
 ccagatgtta gtgataatga acctgatcat tataggtatt ctgataccac tgactctgat 120  
 ccagagaatg aaccttttga tgaagatcag catacacaaa ttacaaaagt ctga 174

&lt;210&gt; 288

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Turkey

&lt;400&gt; 288

ttcacaaaaa cagtagagga gccatcaaat ccagaggcta gcagttcaac ttctgtaaca 60  
 ccagatgtta gtgacaatga acctgatcat tatagatatt ctgacaccac tgactctgat 120  
 ccagagaatg aaccttttga tgaagatcag catacacaaa ttacaaaagt ctgaa 175

&lt;210&gt; 289

&lt;211&gt; 182

&lt;212&gt; DNA

&lt;213&gt; Chicken

&lt;400&gt; 289

ctgtacttca caaaaacagt agaagagcca tcaaattccc aggctagcag ttcaacttct 60  
 gtaacaccag atgttagtga caatgaacct gatcattaca gatactctga caccactgac 120  
 tctgatccag agaatgaacc ttttgatgaa gatcagcata cacaattac aaaagtctga 180  
 at 182

&lt;210&gt; 290

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Duck

&lt;400&gt; 290

cttcacaaaa acagtagaag agccatctaa tccagaggct agcagttcaa cttctgtaac 60  
 gccagatgtt agtgacaatg aacctgatca ttatagatac tctgacacca ctgactctga 120  
 tccagagaat gaaccttttg atgaagatca gcatacgcaa attacaaaag tctgaat 177